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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. X. CHICAGO AND NEW YORK, FEBRUARY 2, 1895. (With Supplement.) No. 348

THE AMERICAN FLORIST

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BARRE, MASS.—A new hothouse 60x20 has been recently erected by Geo. R. Simonds.

CONNERSVILLE, IND.—C. A. Riegan has added two new houses 12x40 for pansies and violets.

GRAND RAPIDS, MICH.—Mr. C. Chadwick lost a house of fine carnations recently, from fire burning one end of the house, which was 20x150.

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DO YOU WANT a list of the leading park superintendents of America? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

Fungous Diseases of Ornamental Plants.

BY PROF. BYRON D. HALSTED.

[Read before the Massachusetts Horticultural Society January 26.]

One hundred and sixty-five kinds of fungus diseases of the rose are recorded in the books. The black spot (*Actinonema rosæ*, Fr.) is the most widespread of all. First described in 1826, it is common and familiar, soon develops dark circular spots on the leaves, or causes them to turn pale and fall to the ground. The result is fewer blooms and of inferior quality. After the spot has spread a little small specks are seen upon its surface. These are spore-bearing places from which multitudes of spores, or new germs, are produced; each of these spores, lodging upon a healthy leaf, can produce a new black spot. Glancing around in a rose house, we see foliage more or less covered with a powdery substance like dust from a flouring mill. These leaves are often misshaped. This powdery substance consists largely of spores of the rose powdery mildew (*Sphaerotheca pannosa*, Wallr.) It is a surface feeder, and spreads rapidly.

Perozonospora sparsa (Berk.) is another rose mildew, but of the downy mildew class. It penetrates and permeates the entire substance of the leaves, and afterwards throws up from the surface the downy growth. It is related to that of the grape, the onion, the greenhouse lettuce and several others. We observe a rose plant deloliated, and find its canes are covered with small pimples, each of which abounds in spores. These microscopic germs ooze from the pimples, germinate quickly and spread the disease. This is the rose anthracnose (*Glaeosporium rosæ*, Hals.), and is related to the bitter or ripe-rot in apples, grapes, etc. (*Glaeosporium fructigenum*, Berk.), and the raspberry anthracnose (*G. venetum* spag). The rose is most likely attacked by spores falling upon leaves or succulent canes, which, by girdling the latter, kill them. This is one of the most contagious fungus diseases of the rose.

Some rose-house plants have foliage badly marked with gray spots. It examined with a lens these spots are found to be dotted with minute black specks—the spore bearing organs of *Sphaerella rosigena* (Ell). The common name proposed for this fungus is rose leaf blight. The peculiar discoloration, called bronzing, of the leaves of La France rose plants is not of fungus origin, but is probably due to a structural weakness permitting the skin to become scalded by too great sun exposure.

Carnation rust (*Uromyces Caryophyllinus*, Schr.) is the leading fungous enemy of carnations to-day. It appears in plump gray blisters upon the leaves and stems, and after the epidermis is broken the rusty-brown spores escape in great numbers. It then appears much like rust of grains and

grasses. The carnation leaf spot (*Septoria Dianthi*, Desm.) appears in light brown sometimes reddish patches, chiefly between joints of the stem, but often on any other part of the plant. The spores—produced in minute black, flask-shaped bodies upon the brown patches—are long needle-shaped, and are immersed in a viscid substance which soon dries, and they float away upon the first light breeze, or a stream of water will carry them to new localities. Most rust spores can be scattered broad by syringing.

The carnation anthracnose consists of microscopic, sharp-pointed black hairs arranged in rosettes. The spores are borne on the tips of radiating threads intermingled with the hairs. This fungus likes moisture; is most often near the ground surface, destroying whole branches by affecting the lowest joints.

The leaf mould (*Helosporium Echinulatum*, Berk.) forms circular spots on leaves, ash color at first and covered with a dense mould. The spores appear upon the branches of this mould, and as they mature, the color changes to a dark brown. The last fungous disease of the carnation mentioned is of bacterial origin. The affected plant at first shows a lack of vigor, and failure in amount of bloom. This is occasioned by the swarming of these bacteria in all of the cells of the leaves, destroying the chlorophyll.

The violet leaf spot (*Cercospora Violæ* Sacc.) is distinguished from several other leaf spots by the dark center, due to the multitude of spore-bearing threads that are brown-colored. Another spotting of the violet leaves caused by *Phyllosticta Violæ* (Desm.) has no dark central area, but scattered over the whole brown spot are dark specks, in which spores are borne. Similar to these are other violet parasites, as *Marsonia Violæ* (Sacc.) Also fungi which cause blotching of the leaves; an anthracnose (*Glaeosporium*) and a bacterial enemy.

The fungus *Phyllosticta Maculicola* (Hals.) produces small, brown, angular spots in the leaves of Cordylone terminalis and they finally show spore bearing pimples, *Dracæna fragrans* is often disfigured by leaf tip blight. This may be due to the longer adherence of water to that part as, if any spores have fallen upon the leaf, some may be carried there during syringing, and remaining there, adhere and develop before another syringing carries them away.

The palm grower is far from exempt from troubles due to fungous growths. While the tip blight is not uncommon, it is not very unusual to find circular spots in the body of a leaf that are caused by the same associating fungus. This fungus is an anthracnose (*Colletotrichum Kentzæ*, Hals.), a deep-feeding parasite, which practically ruins the plant attacked.

Among orchids, the sobralias are killed outright by *Glaeosporium cinctum* (B. &

C) working in the foliage. The large, tender leaves of the bletias suffer from several blights, and the pseudo-bulbs often have large pits of decay due to one or more fungi. Occasionally the large and otherwise superb flowers of various orchids are spotted with brown, often the work of micro-organisms, of which the gray mould (*Botrytis vulgaris*) is the most common.

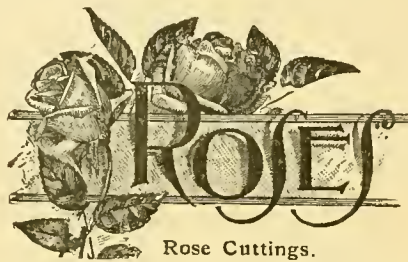
As a rule, plants variegated with white are more subject to fungous diseases than entire green-leaved plants of the same species, on account of the lack of chlorophyll. *Ficus elastica variegata*, *Funkia variegata*, *Aspidistra elatior variegata*, etc., are frequently much disfigured by fungous blights. Under the general term of "damping off" are included most of the failures of seedlings in their early stages of growth. This trouble arises chiefly from the microscopic fungi of the genus *Pythium* of which the *Pythium De Baryanum* (Hesse.) is the most common. In structure the *Pythiums* are similar to the deep-seated mildew, and nearly related to the *Phytophthora infestans* (De By.) which causes the potato rot. Seedlings are subject also to the whole list of parasitic enemies, which attack the host in its later life. Cuttings, like seedlings, are subject to the attacks of all fungi that affect established plants of the same varieties.

Concerning remedies, no one appreciates the lack of information on this subject more than he who wishes to instruct. The preventive means are, first, to start new plants from healthy stock, either from seeds, or from slips free from disease; secondly, to prevent the germs of decay from entering the healthy plants; and thirdly, if such are present to check their growth as much as possible. Germs of decay enter from the soil, the air, or both. Care must be exercised that the seed-bed and the cutting-bench be germ-free, and to this end all the woodwork of greenhouses should be cleaned and fumigated as frequently and thoroughly as possible. As the soil is a ready receptacle for spores, and soon gets charged with them, a frequent change of soil is important. But after these preventive measures have been carried out, it will be necessary to provide fungicides for occasional use in the greenhouse, as well as in the orchard and garden. Some germ destroyers, when properly used, have paid handsomely.

For roses, the mildew may be controlled by sulphur, either dusted upon the foliage or heated upon the greenhouse pipes. The black spot has been checked by Bordeaux mixture, and the ammoniacal solution of carbonate of copper. The formula for Bordeaux mixture is five pounds of lime and five pounds of sulphate of copper in fifty gallons of water; each may be prepared and kept in stock, to be mixed as needed for spraying. The formula for ammoniacal solution of the carbonate of copper is, five ounces of carbonate of copper dissolved in three quarts of strong (4F) ammonia, to be afterward added to fifty gallons of water. These two fungicides are the chief compounds that can be recommended for fungous diseases in the greenhouse. A solution of potassic sulphide ($\frac{1}{2}$ ounce of sulphide to one gallon of water) has proved a successful remedy in carnation diseases. Good results have followed the use of Bordeaux mixture for fungi on violets and many other plants would doubtless be benefited by its use.

The work against injurious fungi must be preventive instead of curative, and the old adage, "An ounce of prevention is worth a pound of cure," is nowhere more applicable. It is often true that the fungous

enemy gets so far along with its destructive work that it is the part of wisdom to destroy the plants instead of trying to save them; much less should one propagate from them. Fungicides are most useful at the time of attack by the fungi, and therefore often need to be used before the fatal parasites show themselves. It is most likely that greenhouse plants generally would profit by a spraying now and then, and a more general use of fungicides is to be looked for by growers of ornamental plants. The man who keeps his plants in the best way, observing the proper conditions of seed bed, soil, air, and food supply; the one who has all things neat and clean will also be the one who sprays. He will not delay until the plants are sick through and through, but will use the fungicide as a shield for plants still healthy. Such a one will have the greatest pleasure in his plants, and be most largely rewarded by them for his watchful care.



What is the right temperature for a propagating bed in which to strike rose cuttings?

What is the best soil for potting them, and how should it be mixed?

SUBSCRIBER.

I have rooted cuttings successfully in a temperature varying from 50° to 65° at night, but to obtain the best results a mean temperature between these two is certainly desirable. That which we have found for some years to give us the best results is between 55° and 58° at night, according to the outside influences; we very rarely even in the very coldest weather allow the general temperature of the propagating house to fall below 55° and try to prevent it ever going above 58° if possible. This with a slight rise of 5° or 6° during the day when cloudy, and if the sun is bright a rise of 10° to 15° in midwinter will not be detrimental. Formerly many growers thought additional bottom heat almost essential, but while it will admit of rooting the cuttings possibly three or four days quicker it will be at the expense of the strength and vitality of the future plant. A plant rooted in an even temperature as low as is consistent with keeping the same healthy and free from disease will have a much better constitution and give much better results. In such a temperature as described above the cuttings usually take from 30 to 36 days to root; some varieties root more quickly than others. Much of this of course depends upon the general conditions of treatment, and as I am often asked for details on this point I will give our method as practiced here. All our propagating houses are built on the north side of the larger houses and joined thereto about 6 feet 3 or 4 inches wide inside measure; in this we construct a bench about 4 feet wide and 4 inches deep, placing a 10-inch wide board on edge next to the north side. This projects 6 inches above the top of the sand, which prevents the heat rising at this point from striking direct on the cuttings.

At this place a space between the bench and the siding is left, 6 inches wide, to allow the free circulation of the heat from the pipes, which are placed under the bench. The sides next the walk are left open, that is to say the space all below the bottom of the bench is not confined in any way. In putting the boards for the bottom of the bench we use 6-inch boards placed at about half an inch apart, to allow ample drainage. These cracks are covered with a little moss or excelsior, just enough to prevent the crocking placed on it falling through. The coarser crocking is used on the bottom, with a coat of finer on top, making the whole about two inches thick. These should be levelled over evenly and beaten down firmly—if no crocking is available cinders can be used in the same way. After this is made level and firm select good coarse grit sand and fill the bench level full, heating it quite firm. Give the whole a good watering and it is ready for the cuttings. The mode of making these has been so often described that it's hardly necessary to describe it in detail here, but bear in mind that the better the wood made into cuttings so much better will the plants be. In putting the cuttings into the sand have a straight edged lath or piece of thin board planed smooth, about 2 $\frac{1}{2}$ inches wide, then with an old knife draw a line across the sand about 1 or 1 $\frac{1}{4}$ inches deep. In this place the cuttings, pressing them firmly down to the bottom of the cut. When the row is full press the sand firmly against them and with a fine rose watering pot give them a good watering; this will settle the sand level. Repeat this as fast as the cuttings are put in, and do not make too many at once, so that the cut at the base becomes dry before putting it in the sand, as much of the success depends on this. For after treatment should it be necessary to keep strong fire heat on the house to maintain the desired temperature the cuttings should be syringed overhead at least once each day, and if the sand shows the least indication of becoming dry give another good watering, but as these conditions vary so much it's very hard to give a correct method of treatment. A little careful watching combined with a liberal amount of common sense will soon tell the operator what is required. If reasonable care is bestowed upon them the easier rooting kinds such as Bride, etc., will have started out roots from $\frac{1}{2}$ to 1 inch long in about thirty-two or thirty-three days. As soon as they have done so they should be carefully lifted out of the sand and potted into 2-inch clean pots. Before starting to do this the soil should be brought into a warm shed or similar place to get as nearly as possible to the same temperature as the sand in which the cuttings have been growing.

The best soil to put young roses into is a fresh loam in which no plant of the same nature has been growing. For the first potting it should have but very little manure in it, and if of a heavy nature a liberal proportion of sand should be added, the whole turned over several times to thoroughly incorporate the whole (this is much better done in the fall before frost sets in). Screen it through a half-inch mesh screen or sieve and it is all ready for use. In potting the plants be very careful not to break the young tender roots. Fill the pots about level full of soil and press fairly firm with the thumbs. When potted place them on a bench with a few ashes or sand under them; water only lightly for a few days with a fine rose watering pot, but should the weather be warm and bright sun-

Supplement to.....

The American Florist,

FEBRUARY 2, 1895.



New Pedigree
Rose

D. S. Summarn

BELLE SIEBRECHT. (H. T.)
CROSS BETWEEN LA FRANCE AND LADY MARY FITZWILLIAM.



DECORATIONS FOR THE ANNUAL DINNER OF THE NEW YORK FLORISTS' CLUB.

shine with it give them a good syringing overhead at least twice each day and shade them from direct sunshine for a few hours during the middle of the day for about a week. After that they will stand all the light and air reasonable to give them. Such plants make good sturdy vigorous stock if kept growing steadily. They should not be allowed to become badly pot-bound at any time, but should be shifted on into larger pots as required. The soil for later potting may be a little richer than that for first potting. The young plants should be grown in a temperature as nearly as can be to that of the propagating house.

I forgot to mention that the floor of the propagating house should be kept moist all the time to produce a nice moist atmosphere in the house. As the cuttings have to depend upon the stored-up vitality in the leaves and wood for the first three weeks at least that they are in the sand a dry atmosphere will cause them to shrivel instead of making roots.

Summit, N. J. JOHN N. MAY.

Rose Belle Siebrecht.

With the present issue of the FLORIST we present a colored plate of this superb new rose. The picture shows its features of form and color truthfully, and therefore much better than we can describe it in words. The petals are of heavy texture, the flowers seem to be excellent keepers, the foliage is thick and leathery, and the plants appear singularly free from deformed or discolored blooms. As seen at the rose houses of its introducers,

Messrs. Siebrecht & Wadley, who have had it under cultivation for over two years, it gives evidence of being a strong grower and constant and abundant bloomer. Wherever it has been shown it has received high honors, including the gold medal of the National Rose Society of England.



TO PREVENT RUST.—Dissolve one pound of sulphate of copper in two quarts of ammonia in a 2-gallon jar. When dissolved add another quart of ammonia and stir well. [The liquid can be kept in this form for some time and used as needed.] Add a pint of this solution to a barrel of water and syringe the plants with a force-pump every two weeks. And don't let the time for spraying pass without attending to the operation.

Carnation Notes.

Several growers not many miles from here have deemed it advisable to caution me against following out the plan which I have advocated in this column concerning benching cuttings, as it is not the way they have always grown them, therefore it must be wrong. Now if this matter had only been mentioned by one man I would have thought nothing of it, but when five or six go for me I thought it advisable to prepare some kind of defense, so I went to see my friends with a few

questions in mind. They denounce the bench system simply because they have lost a great many nice young plants by damping off, and the grower who lost the most was a fair sample of all the others. Their great mistake was in using soil four and five inches deep, which had previously been used for several months with blooming plants, and rather than remove half of the soil, properly sitting and manuring the balance, they just smoothed off the surface and planted the young stock, expecting them to thrive; and so it goes; we are always in a hurry about this time of the year and the cuttings are thrown in any how, any way to get through with the work. Another grower used flats that had no holes in the bottom, and so he condemns flats and has gone back to pots as the only proper way to handle young stock. Pots are all right if you will repot as soon as needed, but there is the trouble; the plants are allowed to become pot-bound, then follows a check from which the plant seldom it ever recovers. I am obliged at times for want of proper bench room to use flats, and then we are very careful to see that they are not over two inches deep and the bottom full of holes, or made of slats two inches wide; this secures good drainage and the plants thrive.

My McGowan for next season's use are now benched and have started to make a strong growth. Is this the case with you who are growing this sort? If not you want to hustle and get them started. I received a communication to-day from a party who wishes plants that will bloom in April and May. Now, I have

just such stock, but the most of it has been blooming all winter in my houses, where they will continue to bloom until August, and although they do not bring very high prices it must be remembered that good carnations at that time are called for and every penny received during the summer months is so much gained. Never throw plants out of your benches so long as they are bringing a fair price, and I consider 50 cents per hundred during June and July as a fair price.

Last fall I saved all the small plants in the lot after filling my houses and planted them closely in a cold frame, where they are now in fine shape, and will do to plant out on the first of April, this of course in beds highly manured. This practice I have seen followed to the great advantage of the grower, for if properly treated and cared for the plants will produce a great quantity of hue flowers.

CHARLES H. ALLEN.

Long Island Carnation Growers.

The annual "rooted cutting" campaign of the carnation men is about to be inaugurated, and the Long Island growers are deeply in it. C. W. Ward has some 60,000 cuttings in the benches, of which a number are novelties now offered for the first time. Meteor as seen growing here is a grand addition to the crimson flowered section; it is of fine habit and the stems and flowers are all that could be desired. Bridesmaid also shows up well; the color is deeper than that of Wm. Scott, and the petals thicker and more waxy than in that favorite variety. Scott itself is superb and is loaded with bloom. Storm King is grand every way and bids fair to take a high place among the whites. Michigan, in some respects the loveliest of all white carnations, is of little value, apparently from lack of constitution. Uncle John is uncertain, and with such a variety as Storm King available, there is really not much room for it. Albertini is here, as everywhere, a noble grower, but irregular in color and coarse in texture. The Stuart is big and strong but the petals are badly discolored, and it is unquestionably doomed.

Chas. H. Allen is having lots of fun with Scott and McGowan. These are his two leaders and the dollars are sticking right out all over the benches. Here also the propagating house is paved with cuttings rooting and rooted. The greatest show perhaps in this vicinity is a house of Daybreaks at Wm. Bell's, in Bayside. It is doubtful if its equal has ever been seen, and it is well worth a long trip to see. Scott, McGowan and Daybreak are apparently the money makers par excellence up to date, for the New York market.

Dailledouze Bros. are "in it" up to the ears, and are ever ready to dilate upon the good or the bad characteristics displayed by the different varieties. They will inform the interested inquirer that they had that pretty Helen Keller will not stand abuse and that to be successful it must be taken in early, so as to make roots, hence is not desirable as a "second crop" carnation, i. e., to follow a crop of chrysanthemums; that Annie Pixley, although of a lovely color, is too small a flower for the present demands; that Emily Pierson is a favorite late crop variety with them; that Puritan is "no good," and Edna Craig has "gone all to pieces;" that Jacqueminot is altogether too slow to come on, and that Daybreak and Scott are great "trotters." They have adopted an improved form of Mr. Lonsdale's "unobtrusive and effective" device for supporting carnations and like

it exceedingly well. A house full of longiflorum lilies, Bermuda grown from Dutch stock, looks very promising and shows but little trace of the prevalent disease. Sweet peas fill another house, and are already showing bud. Emily Henderson, Butterfly, Queen of England and Blanche Ferry are the varieties grown.

Suydam & Co., the latest addition to the Flatbush carnation community are, as is frequently the case under similar circumstances, well in the lead, and if there is not good money in the way carnations are being done here, it would be useless to try further. Portia, Tidal Wave, Daybreak, McGowan, Scott and Mangold are all at their best; splendid plants, and a perfect forest of buds. Adelaide Kresken, which gave satisfactory results on first crop, is now on second crop all burst, and unfit to market.

Louis Dupuy, at Whitestone, is one of the most thrifty growers in this section, and a valuable lesson might be learned from him by some of our growers. Not a foot of idle space is to be found in his establishment from January to December. Houses now stocked with Hinze's White carnations will be cleared two weeks hence, and filled with potted plants for Easter sales, and the pots of sweet peas which will in turn occupy the vacant benches on the day after Easter Sunday, are already well under way. Ericas are looking finely, and a lot of *Acacia armata*, small plants imported last May, are now magnificent specimens; they are thickly set with buds, and good for \$3 plants at Easter. Mr. Dupuy has added a Hitchings iron frame house to his range, and judging from the general appearance of his place, he will be able to add a couple more the coming season, without depleting his bank account.

THE RETAIL TRADE.

Decorations at Washington.

The President and Mrs. Cleveland entertained the Diplomatic Corps January 24 at the largest dinner ever spread at the White House. To represent each embassy and legation required a spread of 66 covers, and as this was beyond the accommodations afforded by the state dining room the table was laid in the main corridor. The table was 60 feet long by 7 feet wide, there were 30 covers at each side and 3 at each end. In the center of the table was a low circular plat two and one-half feet in diameter of maidenhair fern thickly studded with scarlet carnations. Not far from this on either side was a gold vase filled with the same flower, further on was a square plat of maidenhair fern, having for a center a large specimen of variegated pine apple, surrounded by six smaller specimens of the same plant. Beyond this were two silver dishes filled with fruit; further on another circular plat of maidenhair and scarlet carnations, next to this was another gold vase of scarlet carnations and maidenhair; then came another square of maidenhair fern with a center of *Cyanophyllum magnificum*, surrounded by eight small plants of variegated pine apple, these squares were 5 feet long. Next to this was a silver dish filled with fruit, then another circular plat of scarlet carnations. At equal distances were placed silver candlesticks, each supporting five red tapers burning under red shades. Three thousand scarlet carnations were used on the table.

The chandeliers were draped with garlands of smilax studded with scarlet carnations. Garlands of the same were draped from the chandeliers to the wall. On one side of the room were fine specimen rubbers, while the niches on the other side were filled with palms, pandanus and ferns, with orange trees in fruit. The transom over the stained glass partition and the mirrors were draped with garlands of smilax. The East Room was decorated as usual. The large east window and the north and south windows were banked with foliage plants. Fine specimens of variegated althea were used in this decoration, probably the first time in this city. Mr. G. H. Brown is quite pleased with the fine effect of this plant, and considers it quite an addition to his list of decorative plants.

Mr. C. F. Hale had a very rich decoration last Saturday night at the Russian Legation, the occasion being a dinner given by the Russian minister; covers were laid for twenty-four. The centerpiece was a handsome imported cut glass oval two feet long, which sets in a solid silver tray handsomely carved. This was filled with long stemmed Beauties and Farlyense. On each of the four corners was a small oval of cut glass filled same as center. Fronds of Farlyense were strewn over the cloth. The mantel was banked with white azaleas in full flower, with a cut glass vase filled with Beauties for a center. The windows were banked with azaleas in flower. Valley was used in the finger bowls. The minister has selected American Beauties for all his decorations. He expects to give two dinners each week the remainder of the season.

REYNOLDS.

A Wedding Decoration.

At the chrysanthemum show held last fall by Aug. S. Swanson, St. Paul, Minn., several pretty decorations were shown, among them the wedding arrangement which forms the subject of our illustration. The picture does not quite cover the whole of it; on the left side, a little in the foreground, was a tall mirror trimmed with white chrysanthemums. On the right side, by the tall sealorthia, was a clump of Kioto chrysanthemums, grown as standards, with a vase of The Queen just in front of them. The canopy was wholly of asparagus supported by smilax. A wreath of white chrysanthemums four feet in diameter was suspended below the canopy, being tied to it with pink ribbons, which were carried to the cornice at the back, each end being fastened to a large bunch of pink chrysanthemums. To the left was a magnificent plant of *Areca lutescens* fully 15 feet high (the large palm at right was nearly 10 feet taller). The table bore a lamp with rose colored shade.

Noticing that we have been endeavoring to give prices of decorations as a guide to estimates, Mr. Swanson kindly gives approximate figures at which such a decoration could be produced at that time of year (November): Use of plants \$25, 20 strings asparagus \$10, three dozen specimen chrysanthemums \$9, four dozen smaller chrysanthemums \$8, 100 chrysanthemums in wreath \$6, ribbon \$3.50, hire of table, lamp and vases \$10. These latter were all very beautiful, the large vase on right being valued at \$100. This made a total of \$71.50, and Mr. Swanson observes that it certainly could not be arranged for less than \$100, while at the rate of profit usually allowed \$125 to \$140 would be considered a fair price considering the excellence of the material.



A WEDDING DECORATION.

Advertising for the Retailer.

Mr. J. C. Rennison, Sioux City, Ia., sends us samples of a blotter he is distributing among possible retail buyers in his city. It is very neatly printed in two colors and gives "special prices on cut flowers for February and March, 1895." As it may be of interest to retailers in other cities of similar size, we give the price-list herewith.

Roses, select, all colors, per dozen	\$1.50
Carnations, standard varieties, all colors per doz	.50
Carnations, fancy and new varieties, per doz	.75
Violets, double English, per bunch of 25	.50
Lily of the Valley, per doz	1.25
Roman Hyacinths, white, per doz	1.00
Daffodils, yellow, after Feb. 1, per doz	1.25
Freesia, very fragrant, per doz	1.00
Smilax, 25 cents per yard. Per string	.40
Ferns, Maidenhair or coarse ferus, per doz	.25

"Special attention to mail and telegraph orders" appears as a catch line in the upper left hand corner. Then follows a bold line: "Rennison's roses are celebrated for their size, perfume and lasting qualities." Another display line reads "Artistic floral emblems on short notice." In the lower right hand corner is an engraving of an attractive young lady with some roses in her hand and opposite is the following jingle:

ROSES.

For the lack of a thought
The Rose was not bought;
For the lack of a Rose
The maid was not caught;
But another young man
To Rennison's sent,
And ordered the Roses
That won her consent.

"Place a standing order for a \$1.00, \$2.00 or \$3.00 box of cut flowers, delivered once a week. Extra value given." This is a bold line across the bottom.

When to Sow Seeds.

A subscriber wants to know from a "brother florist" when several different kinds of seeds should be sown. Nearly all of these seeds have been mentioned and time of sowing given in your columns several times. Without copying his list I will give the time which in my

opinion is right for each kind, beginning at the first of the season.

Cyclamen persicum, from October to January.

Centaurea candidissima, October, not later.

Centaurea gymnocarpa, early in January.

Verbena, Pyrethrum aureum, lobelia, smilax, daisies, February 1.

Asters, from March 1 to end of April for succession.

Phlox and balsam, middle of March.

Primula and cineraria, early in May for winter flowering, early in September for spring blooming.

Pansies should be sown in August for selling in the spring, but can be sown in February and grown along in flats in the greenhouse, and although later and smaller plants than those wintered over will be quite satisfactory for planting out.

WM. SCOTT.

A Few Good Geraniums.

A subscriber from Junction City, Kas., wants the names of a dozen or fifteen good geraniums for the retail trade in a small town. The semi-double varieties are very much in favor now, and justly so. They are as free flowering, the flower lasts longer, and is not destroyed by a rain storm as much as the single ones. Some of the geraniums that make the most satisfactory flower beds are not the varieties that are best adapted for selling as pot plants in early spring. Here is a list of twelve that will give all the variety of color and have a good constitution, which is a great point in a bedding geraniums:

F. L. Raspail, semi-double bright scarlet, good for all purposes.

La Fortune, semi-double, pure white, a grand variety.

Emile de Girardin, semi-double, pink, an early and continuous bloomer.

Ernest Lauth, semi-double, crimson magenta, a great bedder.

Prokop Daubeck, semi-double, light scarlet, a robust grower and of the best for vases.

Wilhelm Plitzer, semi-double, light salmon, very fine.

Mrs. E. G. Hill, Bruant type, a magnificent salmon.

Comtess d'Arlincourt, semi-double, carmine rose.

W. P. Simmons, semi-double, dark red, orange shading, one of the most valuable of all.

Louis Pages, semi-double, orange scarlet.

Tour Eiffel, semi-double, bright scarlet. Athlete, single, immense trusses of large round flowers of a vivid scarlet.

There is one old scarlet geranium that must not be forgotten, viz., the single variety Genl. Grant. Although it has been propagated for 30 years it still holds its vigor, and for large beds or where masses of color are wanted it is still unsurpassed for effect. The color of the leaf is a pure green without any of those dark shades which nearly all the zonals have, and as scarlet is the complement of green, hence the brilliant effect of a bed of old Genl. Grant. For vases or for single plants it is not desirable. I cannot recommend any particular firm; get catalogues of those who make a specialty of that class of plants.

WM. SCOTT.

Correction.

In my miscellaneous seasonable hints of January 26 I am made to say that Vick's branching aster is several weeks "earlier" than Truffauts, etc. I meant to say later, which it is by several weeks.

WM. SCOTT.

Propagating Japan Snowball.

In propagating the Japan snowball is the old or new wood the best? We have poor success with it.

M.

Viburnum plicatum (Japan snowball) is not easily increased by hard wood cuttings, but is propagated without difficulty by cuttings of the young wood under glass in June from outdoor grown plants or during the winter from plants taken in and forced into growth. It is best to take the cuttings off before the wood becomes too hard. Late struck cuttings do not winter well unless kept at a temperature above freezing. Most nurserymen who have a fair stock plant out a row or two for stock plants and layer the branches. This gives good strong plants much sooner. If layered early in the spring they are well rooted by autumn. When possible it is best to leave them on the parent plants until spring, when they may be planted in the nursery rows in good soil and will make good salable plants the following year.

JACKSON DAWSON.

About the Kew Lectures.

Please allow another Kewite a word. How it may have been during Mr. MacPherson's time, more than thirty years ago, I cannot tell, but during mine ('76-'78), all the lectures, with no exceptions, were of a distinctly scientific character. Barring W. B. Hemsley, who lectured on geographical botany, none of the lecturers had ever practiced the art of gardening. The lectures during my time comprised the studies of botany divided into structural and morphological, economic, physiological, microscopic, cryptogamic and geographical. We had also, lectures on chemistry and acoustics—light and heat, as applied to horticulture, and meteorology. There were a few essays, read by the young men in the library on

practical subjects, which comprised all we had of that character. As stated, most of the young men were gardeners when they went there, and further, what attracted the majority was the lectures and opportunity for study of a scientific character.

T. D. HATFIELD.

Potting Palms.

As the days lengthen the various potting operations are brought to mind, and where decorative plants are made a feature the repotting of the palm stock is an item of some importance. Some species may be repotted at almost any period of the year, providing the plants are well rooted and healthy, but as a rule it is advisable to do little potting between November 1 and January 15, for during that time the root action of most palms is very slow, and with careless watering the soil is very likely to become sodden before the plants become established in it. The ordinary species of palms, such as are in general trade use, are not very fastidious in the matter of soil, though by this I do not wish to be understood that anything is good enough for the purpose, but rather that ordinarily good compost of such consistency as would be expected to grow good roses will answer for arecas, latanias, phoenix and rhapsis, but for kentias I prefer a somewhat lighter soil, and in order to grow on young stock rapidly the addition of from one-fourth to one-third in bulk of peat, and also a little sand will be found beneficial. Good drainage is needed in the pots, and in this particular it should be remembered that quantity is not the essential point, for one fragment of crock so placed that the drainage hole in the pot is kept clear is of more use than a handful that are jumbled in the pot in a promiscuous manner. The old drainage material at the base of the plant to be repotted should also be removed, at least as much as can be gotten out without breaking the roots, but when the plants in question are very much root-bound it is preferable to leave the old drainage in the ball rather than to spoil the best roots in the removal.

Do not give too large a shift at any time, for instance a plant in a 3-inch pot can go in a 4-inch, or from a 4 to a 6-inch, or 6 to an 8-inch pot. This practice is best for the plants, and will also avoid some of the difficulties that so often arise in fitting a certain plant into a certain jardiniere.

Palms in general should be potted firmly, and to accomplish this a potting stick or rammer is a portion of the necessary outfit for this operation when any larger sized pots than 4-inch are to be used, and it is also a good rule to follow that the base of the stem of the plant operated on, should be brought down to the surface of the soil, or just below, this being a good guide for the depth to which the plant should be potted.

Made-up plants of various species of palms have been more or less fashionable of late years, and at the spring potting period is a good time to arrange any such specimens as may be required. By this method very bushy plants are secured in a short time, and *Areca lutescens* in particular seems adapted to the plan, owing to its natural habit of branching from the base, and small plants of *Scaforthia elegans* and *Caryota urens* can also be made up satisfactorily, but *latanias* and *kentias* are not a striking success under such conditions.

A light shading is beneficial to the

palms at this season, and especially when repotted, the thin prepared muslin or tobacco cloth being an admirable material for the purpose, though not quite enough during the summer. *Kentias* especially are benefited by the shading at this early date, these being shade-loving plants, and will much sooner regain their color under such conditions. It is also advisable to keep the palm house a little closer after the plants are repotted, until they begin to root freely, and to syringe regularly and well. Any necessary sponging for the removal of insects had better be done before potting, as the plants are liable to become loosened in their pots by careless handling during the cleaning operation.

As to fertilizers in the soil for palms, it may be safest for one unfamiliar with the action of strong, concentrated manures to stick to the old material in the form of well rotted stable manure, this seldom doing any injury to these plants when used in reasonable quantity, the manure from a spent hotbed being generally in first rate condition for the purpose, while guano, soot, bone dust and various prepared fertilizers may all be used with proper care, and in rather small quantities.

W. H. TAPLIN.

New York.

The illustrations of the floral decorations at the annual dinner of the New York Florists' Club which we present in this issue, show in a striking manner the present tendencies in such work and also a good reason therefor. There were but two attempts at "made up work" on the whole table. On being asked the reason for this Mr. Warendorf replied: "Why, it would be a sin to cut up such flowers as those. We had to use them in vases just as they were. Those flowers were too good to put in baskets." There is no doubt that the improvement in quality of the roses and carnations grown for the florist trade and the attention given nowadays to producing finest stems and foliage as well as fine blossoms has had much to do with the disuse of baskets, bouquets, and other design work, which in former times furnished such a convenient means of using up inferior stock.

Mr. J. N. May's invitation to the New York Florist' Club to visit his place at Summit on Wednesday, January 30, met with an astonishing response, no less than ninety gentlemen participating. Special accommodations on train and conveyance from the station to the greenhouses had been generously provided and a nicely served luncheon put the visitors in the proper frame of mind for the full enjoyment and appreciation of the big floral treat which awaited them. Seldom has a new rose captured the growers so thoroughly and at once as this lucky Mrs. Pierpont Morgan appears to have done. That it has been found necessary to limit to two hundred and fifty the number of plants which will be sold to any one person is sufficient proof of this. After strolling through the well kept houses, which have never been in better condition than they are to-day, most of the visitors repaired to the bowling alley. The carnation enthusiasts finding it difficult to tear themselves away from the houses where Dean Hole, Mand Dean and several other beautiful novelties attested the high perfection which the divine flower has attained at Summit. Altogether it was not only a delightful but a profitable afternoon.

In a previous communication reference was made to Mr. Wm. Plumb as having

been in charge of the West View Floral Co. for the past two years. Mr. Plumb informs us that he severed his connection with that establishment last March, also that in expressing his preference for northern conditions and surroundings over those which he found in the south he did not mean to reflect on the warm hearted and kind friends whom he met down there and whom he will always hold in the highest esteem.

It is expected that the party from New York and Philadelphia going to the carnation convention at Boston will travel via the Fall River Line on boat leaving New York at 5 p. m. on Wednesday, February 20. All those desiring to accompany this party should so inform M. Eugene Dailedouze, Flatbush, who will see that good state room accommodations are provided for all who apply.

Boston.

While a fair amount of trade is going on and there is no great over supply of anything in the cut flower line coming in, yet it is unquestionably true that business is not what it should be if it is to compare favorably in the end with past seasons. The bustle and rush we have been accustomed to see in the large retail stores during January and February is not there, and the store people show it in their faces even if they do not always acknowledge it, while the growers are plainly disappointed at the absence of the old fashioned scramble for their goods which they have in the past depended upon to average up for the depressing times of the early fall. Any decided revival in trade would be quickly felt by the growers, as there is really but a limited supply of first-class stock coming in. Good roses and carnations of all colors are well cleaned up every day, but the call is not sufficient to tide the poor stock through with the good. Lily of the valley has been in rather short supply, but this may be attributed to the timidity of the growers rather than to any excessive demand. Tulips, if white, sell fairly well, but if red there is no show for them whatever. Violets are, if anything, too abundant and fancy prices are out of the question.

On Saturday, January 26, among the exhibits at Horticultural Hall was a noble specimen of *Angræcum sesquipedale* from the Harvard Botanic Garden, which was pronounced by experts to be the healthiest and best bloomed plant of this species they had ever seen. The lecture by Prof. Halsted on fungous diseases of ornamental plants which took place at the same time, and which we print in full in another column, will be found to contain a large amount of valuable information on this vital topic.

Warren Ewell is never so happy as when entertaining his friends. Warren's latching string was away out on the evening of January 24, and the cosy home in Dorchester resounded with merriment, laughter and song. A "tulip supper" he called it, and a large representation of the craft, with their ladies, were present and were entertained by Mr. and Mrs. Ewell with the most profuse hospitality. Mantels, mirrors and tables were resplendent with masses of brilliant tulips, freesias, narcissus and lily of the valley, and each guest was decorated with boutonniere or corsage bouquet of the same material. A rare good time it was and one long to be remembered.

It is announced that at the next meeting of the Gardeners' and Florists' Club, which will take place at Horticultural



MEMBERS OF THE NEW YORK FLORISTS' CLUB AT SIEBRECHT & WADLEY'S TO INSPECT THE NEW ROSE : BELLE SIEBRECHT.

Hall on Tuesday evening, February 5, Judge Hoitt will be the speaker. This is equivalent to saying that the meeting will be a large and enthusiastic one, for the Judge is popular and always entertaining, and is certain to have a good audience.

Philadelphia.

For the season of the year every one seems satisfied with the state of trade. All good stock moves lively at fair prices, while the extra choice is grabbed up quickly at the grower's price. All the large teas sell for \$8 to \$10, the extras bringing \$12 to \$15. Brunners and Laings sell for \$35 to \$50. The smaller varieties bring \$4 to \$5. Beauties and Belles command \$50 for the first choice, and from that down to \$1 per dozen, which is low. All the roses save Beauties can be bought much lower in quantity. Violets are plentiful such as they are, and sell for from 60 cents to \$1.50 per hundred. Carnations are about equal to the demand, and bring from \$1.50 to \$3, according to quality; \$4 is asked for a few extras. All kinds of bulbous stock is plentiful, hyacinths sell for \$1 to \$3, valley \$4, tulips \$4 to \$5. Freesia is in full supply.

The stores are beginning to brighten up considerably with plants in bloom, azaleas, Harrisii lilies, cyclamens and cinerarias and genistas. W. K. Harris has some fine azaleas and genistas. Mr. Harris makes a specialty of these two plants and always has a fine stock on hand. Jacob Becker also has a good stock of azaleas. Mr. Harris has a good stock of tulips, cut and in boxes; he plants them in flats, 50 bulbs of a kind to a flat. When in bud about ready to cut they are delivered and keep in this condition for quite a while, making a nice show. The new valley is now becoming quite plentiful but \$4 is still the price for good stock.

Trumpet major and double Von Sion are to be seen in small quantities and sell for \$6.

The orchids are creeping into popularity. Cattleyas are now kept in stock by all the prominent stores; there are not enough raised about here to supply the demand, notwithstanding that Messrs. Lonsdale, Burton and Evans grow quite a quantity of these aristocrats. The best cattleyas bring \$50, the common cypripediums sell for \$15, and Lawrenceanum \$25.

Mr. Lonsdale has a fine seedling carnation, a cross between Daybreak and Nancy Hanks; it is a very large flower on a strong stout stem and in color is deep pink. Myers & Santman have also a new pink like Della Fox, but a somewhat larger flower.

The shipping trade has been very good the past few days and S. S. Pennock says he has to buy largely to supply the demand. Z. De Forest Ely also reports an increased business out of town.

H. H. Bayersdorfer & Co. report a very good business for this season and have everybody hustling to get orders out on time.

Hot house tomatoes are becoming scarcer and good stock finds ready sale at 50 cents per pound. Mushrooms are more plentiful and bring from 40 to 50 cents per pound in regular channels. Some parties, however, having a few to sell take them around to hotels and restaurants and offer them for almost anything, as low as 25 cents per pound. Such business methods as these are demoralizing and very annoying to men who are trying to handle mushrooms with a little profit all around. If mushrooms will not net the grower at least 40 cents per pound then he had better try his hand at something else.

Real estate in the neighborhood of 50th and Market is now enjoying a boom. This part of the city has been dormant for a long time, but the

advent of the trolley cars has wrought a wonderful change and prices are climbing at a great rate. Jacob Becker of 52nd and Market, who some two years ago acquired title to some three acres of ground partly for investment and also to extend his place, has been offered \$20,000 for his bargain. Robert Craig of 49th and Market has been asked to put a price on his place, greenhouses and all, but is not likely to move his 35 houses for some time to come.

H. H. Battles' wagon loaded with plants was struck by a trolley car one day last week. There was not much damage done to wagon or driver, but there was a little boom in pots, in consequence as nearly all were broken.

Robert Craig has a very fine batch of cyclamen seedlings, some 10,000 of them, coming on; they are in fine healthy condition and he says will be in flower some three weeks earlier next season than he had them this. They are now growing in boxes containing about 100 plants each and most all of them have their second leaf. The seed was sown the early part of September.

John Walker, Mr. Craig's foreman, who has been ill for so long, is now on the mend and is able to attend to light duties about the place.

Jacob Eisele, foreman at H. A. Dreer's nursery, has been abroad the past month taking a rest; he is expected back about the middle of February. K.

Buffalo.

Since New Years the weather has been too severe for general business or for the production of flowers either. Fathoms of snow, blizzards at 60 miles an hour and zero temperature has been the bill of fare for many a day. The supply of flowers of all kinds has shortened up considerably under these conditions. Roses that are coming in are of fine quality, but they might be a little more plentiful

Carnations are not in over supply. Violets just about enough and none to spare, Daffodils and tulips are now offered in fine quality, but the demand is light for them as yet. Business must be called rather dull, except in spots. You see the notice of half a dozen weddings in one day where decorations were used, but the whole lot does not amount to one good old fashioned sort of three years ago. A very scarce article for some weeks past has been maidenhair fern. There seems a good opening for the growing of this universal favorite.

Mr. Harry Millatt, Mr. Grove P. Rawson's designer, favored us with a call this week.

Mr. David Scott of Fredonia, N. Y., has rented the establishment of Mr. Wolber of that village, a neat compact place of five good houses, and has called to his help his son A. J. Scott, who has been for the past 8 years with his uncle "W. S."

After the rush of the holidays was over we received a polite invitation to play the Rochester men a game of bowls, ten or twelve on a side, and we are to have the advantage of Peter Crowe and Wm. Mathews of Utica on our side. Mr. E. I. Mepsted has charge of organizing the team and all willing or anxious to go will please report to him at once. The young element is not so desirable for this sort of a trip as the "old uns." We want the stolid Palmer, graceful Cowell, methodical Long, "elegant" Christenson, sure shot Mepsted, sedate Keitch, neat-gaited Belsey, modest Milley and spare player Scott, and others of like ilk. These qualities add tone to a team even if they don't run up gigantic scores. W. S.

Chicago.

The continuously severe cold weather of the past week has not helped the supply of stock. The scarcity is unabated and promises fair to last until the weather moderates. Of course all the shortcomings of stock, quantity, quality, color and what not are attributed to the weather. Insufficient heating apparatus and injudicious saving on coal bills are generally not taken much into account. There is no doubt, however, that with the advent of warmer weather and bright skies the daily output will be doubled. Many of the rose houses are just coming into full crop and promise a heavy cut in the near future. At present, however, the supply of roses, more particular pink and white, is insufficient to meet the demand. The quality is nothing to boast of either. Beauties, take them as a lot, are poor. There are a few really good flowers that might be picked out of the great bulk of crippled stuff, but it is only a drop in the bucket. Bridesmaid is the only pink that averages good in quality. Poehlman Bros., Chas. Naslund, Chas. Hartwig and one or two others are cutting some fine stock of this variety. For every 100 roses, however, there are a dozen customers who stand ready to fight for them. The few Testouts that are sent in are also good, but the amount is so small that it cuts no figure. Mermets and La France are poor. Brides are of average fair quality; the demand for them is far in excess of supply and first quality has advanced to \$1. Perles are (as they have been pretty much all the season) mediocre. Meteor is less called for at present than the lighter shades and is about the only variety in sufficient supply.

Violets are fairly plenty. The demand is still fluctuating, and is generally the lightest in extreme cold weather. This is doubtless owing to the fact that on pleas-

ant days many bunches of these flowers are bought for street wear and the cold weather keeps the would-be buyer indoors.

Carnations are of good quality and the supply in most varieties is about equal to demand, first quality whites being the only brand that is short.

Bulbous stock is still short in supply. Really good valley, of which there is but little, brings 5 to 6, the best price for years at this date. Romans still hold at 3 to 4, and there are none too many. Daffs (Von Sion) are coming in more freely and sell quite readily at 5 to 6. Tulips have not improved much; a few La Reine and Yellow Prince are fair but most of them are too short stemmed. Dutch hyacinths have made their appearance but move slowly.

A few lots of fine lilac are coming in. It brings \$2 to \$3 a dozen.

The commission men are not resting on a bed of roses these days. Country dealers know the difference between a Bridesmaid and a Mermet just as well as their city brethren, and when these latter are substituted for the former there is a succession of kicks that makes the wholesale dealers weary. But as our friend Kennicott remarks, "There is nothing like being used to it. We have to suffer for the sins of omission and commission of others, and if the growers strike us on the right cheek we meekly turn the left to the dealer, at his pleasure." Still they prosper.

Worcester, Mass.

Although nothing of unusual interest has occurred the past week, trade has been brisk in all departments. There has been no glut of anything worthy of mention and no particular shortage; ideal conditions we like to see and fair prices.

Not much is heard from the department store that commenced selling cut flowers and plants about a month ago and created some excitement among the florists. We shall probably hear more when stuff is more plentiful and prices lower; as yet the trade has not been injured to any extent.

A few Scotts are brought in that are immense; if the stems were a little stronger they would be nearly perfect. They are grown on a shallow bench and were planted from 2-inch pots in the house about the middle of June and are now strong healthy plants, without a suspicion of rust or disease of any kind. This variety will undoubtedly supersede Grace Wilder, heretofore the best of its color in this vicinity, but which has proved very unsatisfactory this season.

A small bench of Albertini treated the same way has not given such good results, but have not had a fair trial, through what flowers do come are splendid.

Tulips and Dutch Romans are in. A. H. L.

Cincinnati.

The Florists' Society held their annual meeting January 26 with 26 members present. The board of directors elected for the ensuing year were John Fries, C. C. Murphy, R. Murphy, E. Gillett and B. George.

Tulips of very fine quality are plentiful in the florists' windows with only a limited demand for them. Carnations are in full supply and do not move very rapidly. They range from \$1 to \$1.50, with fancies such as Daybreak and Wm. Scott at \$2. Portia is the only scarlet seen in any quantity. Brides, Mermets, La

France and Bridesmaid sell at \$4 to \$5 per hundred, and there has been an increase in the demand for light colored roses recently, owing perhaps to extra funeral work. Meteors, however, still hold their own and sell at 7 to 10. Perles, Niphotos and other small roses sell at \$2 to \$3. Bulb stuff moves very slowly as a rule.

Violets hold their popularity and range from \$1 to \$2. Smilax seems to be going a little better than it did and is a little scarce. Complaints of dull business are general, both shipping and local trade suffering alike.

R. Witterstaetter showed some very fine seedling carnations at our last meeting. P.

New Notes.

NORTH ANDOVER, MASS.—Walter Angus has recently started into the florist business here.

KANSAS CITY, KAS.—Mrs. Charlotte D. Mann has sold her florist business here to Mrs. L. C. Dana.

NEW BEDFORD, MASS.—Robt. Taber, the treasurer of the Gardeners' and Florists' Club of New Bedford, died on Jan. 17, at the age of 64 years.

LOUISVILLE, KY.—The Hatcher Floral Co. succeeds A. Lauer at 1218 E. Broadway, where they will conduct a general florist and nursery business.

RUSH, N. Y.—Miss May Martin, who has been growing outdoor flowers for the Rochester market, has now built houses for raising carnations and smilax.

KINGSTON, R. I.—The main building of the R. I. Agricultural College which cost to build \$32,000 was destroyed by fire on the forenoon of January 27. There was no insurance.

NEW ORLEANS, LA.—The New Orleans Hort. Society will hold a spring show in April and a chrysanthemum show in November. The secretary of the society is Mr. Paul Abcle, Joseph and Laurel streets.

LENOX, MASS.—The first annual ball of the Lenox Horticultural Society took place at Sedgwick Hall on the evening of January 29. When the Lenox contingent undertakes anything it goes. This was superlatively true of the ball which was a pronounced success. There were quite a number of invited guests present.

THOMPSONVILLE, CONN.—The estate of the late Robt. McCrone has been settled, and will pay about 8 cents on the dollar to the creditors. At the time of the big blizzard a few years ago Mr. McCrone's greenhouses were practically ruined, and he was never able to recover from the financial strait in which he was thus placed.

SITUATIONS, WANTS, FOR SALE.

SITUATION WANTED—By a good gardener and florist; married; German; 15 years' experience. Best of references. K. D., care Am. Florist.

SITUATION WANTED—By florist, age 24; 8 years' experience in all branches. Eastern States preferred. Address PERLE, care American Florist.

SITUATION WANTED—By young man of some experience in greenhouses. Northwest preferred. References. NELS PETERSON, 100 1st Ave. S., Minneapolis, Minn.

SITUATION WANTED—By a young man, age 19, as assistant in commercial place; has had 5 years' experience. Can furnish best of references. Address JOHN CLARK, Cullu, O.

NEW ROSE MRS. PIERPONT MORGAN.

Special Notice.

On account of the unprecedented demand for this magnificent Rose I cannot accept any more orders for more than **TWO HUNDRED AND FIFTY (250)** plants from any one person.

THE PRICES ARE FOR	12 PLANTS.	50 PLANTS.	100 PLANTS.	250 PLANTS.
2-inch,	\$7.50	\$20.00	\$35.00	\$80.00
2½-inch,	8.25	22.50	40.00	92.00
3-inch,	9.00	25.00	45.00	105.00

These prices are net for cash only, and cancels all discounts whatever for any number. Orders will be filled strictly in rotation as long as the stock lasts. Speak at once if you want any, as this adv. will not appear again.

February 1, 1895.

JOHN N. MAY, Summit, New Jersey.

NEW YELLOW GARNATION

Dean Hole.

The most brilliant color of any in this class, and a fine bold flower, with fine stiff stem, a very strong, sturdy grower. Flowers of this variety have sold all through this season in New York at \$8.00 per 100.

Strong transplanted, well-rooted Cuttings, \$10.00 per 100; \$75.00 per 1000. Ready March 1st.

JOHN N. MAY.

NEW CHRYSANTHEMUMS FOR 1895.

DEAN HOLE—Very large incurved massive flower with broad petals of exquisite form; white with beautiful soft shade of pink on outer side, with extra good stem and foliage. Certificate American Chrysanthemum Society in Philadelphia.

NEMESIS—Very early, almost identical in color to Daybreak carnation and an ideal flower; dwarf, sturdy grower.

OLYMPUS—Very bold, round flower, 7½ inches through by 7 inches deep; white with clear pink on outside of petals.

SUNRISE—By far the best very early red; very fine color and form; average 7 to 8 inches through with fine stem and handsome foliage.

TRILBY—Very clear white and superior to Niveus in every way. Very late and a good keeper.

ZULINDA—Very late silvery pink, of fine build, with good stem and foliage.

SUNRISE, \$3 50 per dozen; \$25.00 per 100.

DEAN HOLE, NEMESIS, OLYMPUS, TRILBY, ZULINDA, \$6 00 per dozen; \$35.00 per 100.

JOHN N. MAY.

SITUATION WANTED—By experienced rose grower, foreman and reliable propagator, as foreman; competent to take full charge. East or South preferred; references. X Y Z, care Am. Florist.

SITUATION WANTED—By a single man, age 28, strictly sober, four years' experience growing roses, carnations, general bedding and vegetable plants, also design work, with some good florist; wages low. E. CLUM, Dover, N. J.

SITUATION WANTED—As foreman in commercial place; thoroughly understands the business in all its branches; roses, carnations and the forcing of all kinds of bulbs and plants. Address F. MCKENZIE, 53 Lenox St., Cleveland, O.

SITUATION WANTED—By practical gardener and florist; thoroughly understands the growing of flowers, fruit and vegetables under glass; single, excellent references; private place preferred. Address A. G., 359 Cumberland St., Brooklyn, N. Y.

SITUATION WANTED—By April 1st by a rose grower to take full charge of a medium sized plant where roses are made a specialty; understands his business, private or commercial. For full particulars address "WARNER," box 741, Nyack, N. Y.

SITUATION WANTED—By thoroughly experienced propagator and rose grower; thoroughly familiar growing all popular cut flowers and plants; references from leading rose growers; single, 28 years; open Feb. 15. Address GARDNER, Germantown, Pa.

SITUATION WANTED—By a first-class florist and landscape gardener, Swiss in a private place with greenhouse March first; 4 years' experience in Europe and 3 years in large private places in this country; best of references. Address F. BURKHART, 138 Noole Ave., Lake View, Chicago.

SITUATION WANTED—By orchid grower, commercial or private; 12 years' experience in several of the most important nurseries in Holland, France and Belgium; also very successful grower of other exotic plants; Dutch nationality. Address ROSLIN CONSERVATORIES, So Framingham, Mass.

SITUATION WANTED—German, 33 years old, married, who has been foreman in a large commercial place in this country for the last eight years, wants situation as such, after the 12th of February. Have had seven years' European and 12 years' American experience. CHAS. JOHNSON care Henry Plimmer, 804 Communipaw Ave., Jersey City, N. J.

SITUATION WANTED—By practical plantsman, fully posted on the general requisites of commercial places, including cut flowers, roses, carnations, etc.; general propagation, items of the nurseries, executive ability in the general management of inside, outside; best recommendations. For more particulars address PLANTSMAN, care American Florist.

WANTED—A young well recommended florist for retail store. H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—To buy small florist business of about 5 to 6 thousand feet of glass. Address INDIANA, care American Florist.

WANTED—At once, catalogues and price lists of greenhouse material of all kinds THE THATCHER FLORAL CO., Louisville, Ky.

WANTED—A good man for palms, ferns and general greenhouse stock, single; must be well recommended. H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—Good rose and cut flower grower, one who understands the business thoroughly; must be sober, energetic and reliable. CRAWB & HUNTER, Grand Rapids, Mich.

WANTED—A man competent to act as general foreman of a large ornamental nursery; must be well informed in all the details, especially regarding novelties, their propagation and growth. Correspondence requested. Address NURSERY, care American Florist.

FOR SALE CHEAP—Rooted coleus cuttings, 6 var. including Golden Bedder, by mail postpaid, 75c per 100; Alternantheras, 4 var., 60c per 100. Also 1 Furman No. 8 steam boiler cheap. Cash with order. GROEMANN BROS., Saginaw, E.S., Mich.

FOR SALE—Cottage house 7 rooms, with first-class repair, acre of prime land, center of lively town, 10,000 inhabitants, four railroads, 28 miles from Boston; first-class opening for a florist of moderate means, no competition. Address MICHAEL RYAN, 22 Boylston St., Brockton, Mass.

FOR SALE—Nursery 200-500 feet good land, 4 small greenhouses, also lathhouses, many thousands standard roses, leading varieties also tulips, horse and wagon; long lease; nursery near the cemetery; electric cars pass the place; will sell for \$500 cash. Address H. REISS, 257 12th St., Oakland, Cal.

FOR SALE CHEAP—Greenhouse, fifteen acres land, lease to run about three years (and can be renewed), a nice stock of berries of all kinds; greenhouse extra well stocked. Fifteen hundred feet hotbed sash and all necessary implements. Inquire J. D. LITTLE, Agent for Mrs. E. Wilson, Springfield, O.

FOR SALE CHEAP—I will sell my Maple Heights and Marion Greenhouses (or plant), consisting of 2,000 square feet of glass; heated with steam and natural gas, stocked with the leading varieties of roses, carnations, geraniums, palms, smilax etc., etc., with four acres of ground under cultivation; a cottage on the place and about forty fruit trees of the standard varieties of cherries, pears, plums, etc.; we are on three railroads with a direct line to the best flower markets in the west; only one competitor and a town of 20,000 inhabitants. Will health the cause of wanting to sell. A great bargain to the right one. Address MRS. GEO. R. FRAVELL, 322 Washington St., Marion, Ind.

FOR SALE—"Melrose Greenhouses," at Melrose a place of 8 acres, 28th and Berry Sts., Harrisburg, Pa. close to Paxtang Park, visited by thousands daily in summer by motor which passes the "Melrose" every 7 minutes. In summer. Plant consists of 7 medium sized greenhouses filled with choice plants in good condition, heated by "Perfect" hot water boiler new. Soil especially suited to violet and carnation culture; violets and Daybreak carnation have an exceptionally fine color; soil a rather heavy loam, retains the moisture. Field plants were not watered over during last summer, lifted in perfect condition. Store in city well stocked with all floral supplies. A good city and out of town trade established. Seed trade also started one year ago; could be made very profitable if pushed; seed only handled by grocers and druggists here. Senior partner's time all taken with a business of 20 years growth, and must have his capital for it. A. B. Machlin will sell either store or greenhouses, or both, or will take partner with \$3,000 to \$4,000. An AI florist on place can be retained if negotiations are made in time. Possession June 1st preferably, but can arrange at any time. THE MELROSE SEED & FLORAL CO., W. E. & A. B. Machlin Props., 24 S. 3d St., Harrisburg, Pa.

FOR SALE.

A CHANCE IN A LIFE TIME. The leading business of a city of 32,000 inhabitants, doing fine business established ten years, 4 new and modern greenhouses built last September, location in the heart of the city, salesroom in one of the most prominent localities, situated in the entrance of one of the most prominent Hotels salesrooms one-half block from greenhouses. Greenhouses stocked, complete new and modern system of heating, expense not considered when constructing greenhouses. Store handsomely fitted with modern coolers, cases and massive mirror. Greenhouse constructed on the eastern plan, large double strength glass. Anyone meaning business for further particulars address CHARLES M. TREANOR, South Bend, Ind.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 236 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand, is one of the far east of the kind in Chicago. A good chance for some young man with some means, or for a sportsman, and as I wish to retire from business, it can be had reasonable and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL,
Belmont and Western Aves., Chicago.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Denver.

Trade is rather quiet, but looking up.

Mr. Ernest Thornton has taken charge of the houses of the Denver Floral Co. at Westminster, succeeding Mr. Peter Hurdart, who has retired from the company.

A tour of the various establishments shows active preparation for the spring trade. More attention seems to be paid to quality than quantity this season, which seems to be a move in the right direction.

Mr. E. A. Beach, who has been in charge of Mrs. R. Mauff's Harman houses, has taken a like position with the Park Floral Co. Mr. Al. Mauff will manage the Harman houses this year.

The Denver Florists' Society held its second annual smoker January 19 at their rooms in the Electric Building. A very enjoyable time was had and a pleasant evening was spent in speaking, singing and fighting over again the battles of the past year. Over thirty members attended and the occasion only lacked the familiar features of our absent president to make the enjoyment perfect.

Very Rev. Dean Hole lectures in this city January 28 and 29; the florists of this city will tender him an informal supper.

The Park Floral Co. have completed two new houses, each 11x100.

Smith & Son closed their store in the Mack Block January 1.

Some of your correspondents who are interested in "single pipe" steam heating should visit this city and inspect the system of the Denver Steam Heating Co. This company furnish steam to heat many of our business blocks. Their plant where the heat is generated is a mile from the center of the city. The steam is generated by a large battery of boilers and flows through a 14-inch main to the farthest point of the system from the boilers, being led to side streets by smaller branch mains. In piping a building a single main is led into the building, raising continually from the main to the farthest point of the lead and all radiators are attached to this one lead. No return is provided for condensed steam; the usual air cocks are attached to the radiators; but the water must find its way back to the boilers by gravity. The system has been in operation for over ten years and apparently gives satisfaction, as over one hundred large buildings are heated by it. This is probably the largest application of the single pipe system in the United States. The steam pressure carried at the power station ranges from 15 to 40 pounds, according to weather.

Denver florists are groaning over the fact that the coal dealers have formed a trust and have raised the price of steam coal twenty five cents per ton. With expenses going up and prices going down the poor florist is having a hard time of it.

C. R. Gallup and Harrison H. Given report that spring plant and seed trade shows signs of beginning, a few straggling orders are coming in.

Mr. Chas. W. Johnson, who has been in charge of the Red Leaf Conservatories for the past season, leaves February 15 to accept a position in Chicago.

The decorations at the inaugural reception and ball at the Brown Palace Hotel and the Broadway Theater were very complete and were very much admired. Mrs. C. R. Gallup decorated the theater and the Park Floral Company the supper room of the hotel. NEVIC.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

ROSES. ROSES.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of followlog will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

CATALOGUES AND
PRICE LIST FREE.

PAINESVILLE, Lake Co., OHIO.

Rooted Rose Cuttings.

After February 5th, 1895, we shall be prepared to furnish first-class rooted rose cuttings of **American Beauties**, at \$2.50 per 100. **Brides, Bridesmaids, Perles** and **Meteors**, at \$1.50 per 100.

After March 1st we shall have a fine lot of rose plants from 2 and 3-inch pots at hard times prices. Orders received now, and shipped when wanted.

BASSETT & WASHBURN, Hinsdale, Ill.

AMERICAN BEAUTY, AMERICAN BELLE, TESTOUT, METEOR, BRIDESMAID, BRIDE, LA FRANCE, WOOTTON, MME. DE WATTEVILLE AND KAISERIN AUGUSTA VICTORIA.
Rooted cuttings. Cash with order. Address for quotations

ROSES

CATH. MERMET, CUSIN, PERLE DES JARDINS, MME. HOSTE, NIPHOTOS, MME. CUSIN, QUEEN, PAPA GONTIER, MME. JOS. SCHWARTZ, H. M. STANLEY REVE D'OR, W. A. RICHARDSON, MME. JESSIE FREMOUT and many others.

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

PALMS.

150,000 of all the leading varieties.

FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**
1708 N. Halsted St., CHICAGO.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER,
JAMAICA PLAIN, (Boston), MASS.

Choice Florist Seeds.

Pansy, Calceolaria, Primula, Cineraria, choicest strains, at 25 and 50 cts. per trade packet.

Special quotation on **BULBS.**

W. A. MANDA,
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

100,000 Roses

Strong 2-inch pot plants, \$25 per 1000; \$3 per 100 in following sorts and many others.

Beauty Inconstante, American Perfection, Mermet, Bride Perle, Meteor, Gloire de Dijon, Devonieus, Ctisse, du Parc, Etoile de Lyon, Cels, Lamarque, S. Ifaterre, Niel, Souvenir Therese Levet, White La France, Estelle Pradel, Ctisse de Labarthe, Ed. Leittaye, Mme Olga, Mme. Merrier, Mme. Cusin, Queen, Papa Gontier, Mme. Jos. Schwartz, H. M. Stanley Reve d'Or, W. A. Richardson, Mme. Jessie Fremout and many others.

TRIPLE YOUR MONEY by buying now, and cultivate for spring sales. Write for Wholesale and Retail Catalogue for special sorts at special prices.

ROSES IN ALL SIZES OUR SPECIALTY.

Address **NANZ & NEUNER,**
LOUISVILLE, KY.

Well Rooted Rose Cuttings of

MERMETS, BRIDES, PERLES, Etc., at \$15.00 per 1000.

2½-inch TEAS at \$25.00 per 1000.

BRIDESMAIDS, at \$50.00 per 1000.

ANCHORAGE ROSE CO.,
ANCHORAGE, KY.

FOSTITE, A PERFECT REMEDY to

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out.

Fostite, 25 lbs. \$2.00. Bellows, \$3.50. Cash with order.

Sold by all dealers and by
C. H. JOOSTEN, 3 Coenties Slip, New York.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

NEW BLOOD IN ROSES.

DISTINCT IN EVERY WAY. AN ENTIRELY NEW STRAIN.

The Greatest Rose of the 19th Century BELLE SIEBRECHT.

The Rose to Grow for Money.

**GREATEST BECAUSE EVERYBODY WANTS
ITS COLOR, SIZE, FRAGRANCE AND SHAPE.**

More brilliant, deep pink than any other Rose.

As large as the best American Beauty.

Fragrance like old La France (one of its parents).

Freedom of bloom like old Bon Silene—a single plant producing from 50 to 60 blooms during the season.

Strength, vigor and constitution of plants all that could *possibly be desired*.

Never Mildews.

Keeps Fresh from New York to Chicago and back again without falling.

Fades a beautiful light rose pink when old.

This Rose is not a mere sport, but is of a distinctly new strain, being a Seedling, the result of a cross between the grand old Rose La France and that strong and vigorous Rose Lady Mary Fitzwilliam.

Many of the leading Rose growers who have seen the Rose growing at our Nurseries have ordered from 500 to 2000 plants.

Orders booked now and will be filled in strict rotation.

STRONG PLANTS READY FOR DELIVERY APRIL 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

The colored plate and what the Artists say about it:

It does not do full justice to the Rose in its magnificent intensity of peculiar deep pink, which is one of its striking characteristics, nature only can produce this, but we have approached as near to it as the limits of art will permit.

SIEBRECHT & WADLEY,

New Rochelle, N. Y., U. S. A.

NEW YORK OFFICE: 409 Fifth Ave.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

WE HAVE received from Chas. H. Ricksecker, Linville, N. C., some excellent samples of galax leaves, the bronze being very richly colored, and the green very clean and bright.

LADY CAMPBELL VIOLET.—We have received from Mr. C. S. Swayne, Kennett Square, Pa., a bunch of superb blooms of this violet. They certainly left very little to be desired in size, color, fragrance and foliage.

Catalogues Received.

J. L. Dillon, Bloomsburg, Pa., wholesale list plants; H. F. Michell, Philadelphia, seeds; The Lovett Co., Little Silver, N. J., seeds, plants and nursery stock; Syracuse Pottery Co., Syracuse, N. Y., standard flower pots; Schlegel & Fottler, Boston, Mass., seeds, plants and nursery stock; Geo. H. Mellen Co., Springfield, O., plants; T. H. Spaulding, Orange, N. J., chrysanthemums; J. A. Simmers, Toronto, Ont., seeds and plants; Lischy Nurseries, Nashville, Tenn., plants and nursery stock; John N. May, Summit, N. J., roses and other plants; H. A. Dreer, Philadelphia, seeds, plants and bulbs; G. R. Gause & Co., Richmond, Ind., plants, shrubs and seeds; Chas. Schwake, New York, seeds, bulbs and plants; Wood Bros., Fishkill, N. Y., trade list plants and rooted cuttings; Sunset Seed and Plant Co., San Francisco, seeds and plants; Jos. Breck & Sons, Boston, seeds and plants; Fred Dorner & Sons, Lafayette, Ind., trade list carnations and chrysanthemums; Huntington Seed Co., Indianapolis, Ind., seeds; W. W. Wilmore, Denver, Colo., dahlias.

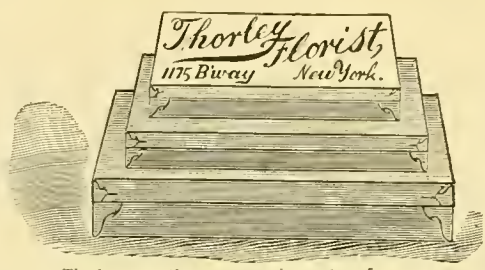
OBITUARY.

WM. THOMSON, whose treatise on the vine is still one of the best of its kind, died at Clovenfords, near Galashiels, Scotland, January 12, in his 81st year. Mr. Thomson was born in Scotland in 1814 and was widely known as an expert gardener in all classes, but his specialty was the cultivation of hot house grapes. He was the originator of several fine varieties, the best known being Duke of Buccleuch and Duchess of Buccleuch. He was a notable figure in British horticulture and horticultural literature, and his death is deeply regretted.

BEAUTIFUL SOUTHERN GALAX LEAVES

For DECORATING and FLORISTS' USE.
BRILLIANT GREEN AND BRONZE.

LARGE and SMALL SIZES.
A new heart shaped Evergreen leaf with long plant stems. Make up splendidly and sell well by the bunch at a large profit. Each size and color tied separately in bunches of 25 leaves. Will keep for months in cold storage or other cool places and are very popular wherever known. Write for price and sample by mail free to florists only.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.



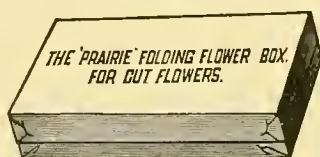
Hardy Cut Ferns,

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON.



FOLDING PAPER BOXES for CUT Flowers.

Made from Water-proofed, Double Manilla lined, Strawboard. Shipped flat, packed 100 in a crate.

CHICAGO FOLDING BOX CO.,

Jackson & Clinton Sts., CHICAGO. TELEPHONE MAIN 4718.

Z. De Forest Ely & Co.,

WHOLESALE COMMISSION DEALERS IN

CUT FLOWERS.

Roses, Carnations, Chrysanthemums, Valley, Violets, etc.

1024 Market Street, PHILADELPHIA, PA.

SAMUEL S. PENNOCK,

Wholesale Florist

REAR OF 42 S. 16th STREET, Philadelphia, Pa.

**PALMS CHRYSANTHEMUMS
CARNATIONS ORCHIDS & ROSES**

Prices on application.

EDWIN LONSDALE,

WYNDMOOR, near Chestnut Hill, PHILA., PA.

Tuberous Begonia Seed.

First Prize on plants and flowers, Mass. Hort. Society, Sept. 6 and 7.
Flowers 4 to 5 inches in diameter, white, yellow, pink and crimson of every possible shade and endless combinations of tints pencilled edges, etc. Carefully hybridized seed, separate colors or mixed, 500 seeds, 50c. LADY CAMPBELL VIOLET, from original stock, \$1.50 per 100; \$12.00 per 1000.

C. E. WELD, Roslindale, Boston, Mass.



TRY DREER'S

GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade list issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa.

Cycas Leaves. FRESH CUT

each 75c.

VAUGHAN'S SEED STORE, P. O. Box 688, Chicago.

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

H. L. SUNDERBRUCH,
Wholesale Florist

4TH AND WALNUT STREETS, Cincinnati, O.

Asparagus Plumosus Nanus.

Cut Strings, 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS,

495 Washington St., BUFFALO, N. Y.

SHIPPING ORDERS CAREFULLY ATTENDED TO.

OTHER SPECIALTIES:

Florists' Supplies, Wire Designs, Bulbs, Long's Florists Photographs. Catalogues, Lists, Terms, etc., on application.

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Cut Flowers and Florists' Supplies

WIRE DESIGNS.

1402 PINE STREET,

St. Louis, Mo.

C. A. KUEHN,
(Successor to ELLISON & KUEHN),

WHOLESALE

FLORIST,

1122 PINE STREET,

St. Louis, Mo.

A complete line of Wire Designs.

The Boston Flower Market

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of Sale. TERMS STRICTLY CASH.

Address JOHN WALSH, MANAGER, Flower Market, Park St., BOSTON, MASS.

CUT SMILAX.

15 Cents per String.

Elegant Stock Now Ready.

THE NATIONAL PLANT CO., Dayton, Ohio.

E. H. HUNT,
WHOLESALE FLORIST
 68 Lake Street, CHICAGO.

WHOLESALE CUT FLOWERS,
 SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and **FLORISTS' SUPPLIES.**
 34 & 36 RANDOLPH STREET,
CHICAGO.

T. J. CORBREY,
Wholesale Commission Florist,
 64 & 66 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
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 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. **CHICAGO.**
 Our Roses best them all, in quality.
 Headquarters for fine American Beauties.

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL Co.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

WELCH BROS.,
Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., **BOSTON, MASS.**

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Wholesale Commission Florist.
 ALL STOCK IN FINEST GRADES.
 113 W. 30th St., NEW YORK.
 Telephone Call 1307 38th St.

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Cut Flowers.

	NEW YORK, Jan. 29
Roses, Bon Silene, Niphotos.....	2.00@3.00
" Perle.....	2.00@4.00
" Mermet, Hoste, Cuslu.....	2.00@6.00
" Bride, Watteville, Bridesmaid.....	4.00@8.00
" La France.....	6.00@12.00
" Testout.....	6.00@12.00
" Meteor.....	6.00@10.00
" Beauty.....	50.00@75.00
" " seconds.....	5.00@25.00
" Hybrids.....	10.00@25.00
Carnations.....	.75@1.00
" fancy.....	1.50@3.00
Violets.....	.50@1.00
Valley.....	3.00@4.00
Narcissus.....	3.00@4.00
Tulips.....	2.00@4.00
Hyacinths.....	1.00@2.00
Harrisli lilies.....	8.00@10.00
Mignonette.....	6.00@25.00
Cattleyas.....	35.00@40.00
Cypripediums.....	10.00@12.00
Smilax.....	12.00@20.00
	BOSTON, Jan. 29.
Roses, extra selected.....	10.00@15.00
" Mermet, Brides.....	6.00@10.00
" Niphotos, Perle.....	4.00@6.00
" Bon Silene, Goutler.....	2.00@3.00
" Bridesmaid, Testout.....	6.00@12.00
" Meteor.....	6.00@12.00
" Beauty.....	25.00@75.00
" Hybrids.....	15.00@50.00
Carnations.....	1.00@1.50
" fancy.....	2.00@3.00
Valley.....	2.00@4.00
Hyacinths, freesla.....	1.00@2.00
Narcissus.....	4.00@5.00
Tulips.....	2.00@4.00
Harrisli, callas.....	10.00@12.00
Violets.....	.75@1.00
	PHILADELPHIA, Jan. 29.
Roses, small.....	4.00@5.00
" large teas.....	6.00@8.00
" extra select.....	10.00@15.00
" Beauties.....	35.00@50.00
" Brunners.....	50.00
Lang.....	25.00
Carnations.....	1.50@2.00
" extra.....	2.50@3.00
Asparagus.....	35.00@50.00
Violets, double.....	.50@1.25
" single, per 100 bunches.....	\$2.50@\$4
Valley.....	4.00
Cattleyas.....	40.00@50.00
Cypripediums.....	15.00@21.00
Smilax.....	15.00@18.00
Tulips.....	4.00@5.00
	CHICAGO, Jan. 31.
Roses, Beauty, selected.....	25.00@40.00
" Testout, Bridesmaids.....	6.00@8.00
" Meteor, La France, Albany.....	5.00@7.00
" Bride, Mermet, Hoste.....	5.00@6.00
" Perle, Niphotos, Goutler.....	3.00@4.00
" Mixed.....	4.00@5.00
Carnations, long common.....	1.50@2.00
" fancy.....	2.00@4.00
" short.....	1.00
Valley.....	3.00@4.00
Romans.....	3.00@4.00
Violets.....	1.00@1.50
Harrisli.....	12.00@18.00
Orchids, cattleyas.....	50.00
" cypripediums.....	25.00
Smilax.....	12.00@15.00
Freesla.....	3.00@4.00
Paper White, tulips.....	3.00@4.00
	BUFFALO, Jan. 30
Roses, Beauties.....	15.00@25.00
" Mermet, Bride, Bridesmaid.....	6.00@8.00
" Meteor.....	8.00@10.00
" Perle, Hoste, Cuslu.....	5.00@6.00
Callas, Harrisli.....	12.00@15.00
Carnations, long.....	1.50@2.00
" short.....	1.00
" Daybreak.....	2.00
Violets.....	1.00@1.25
Valley.....	4.00
Tulips.....	4.00
Narcissus, Romans.....	3.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND.
 Successors to WM. J. STEWART.
Cut Flowers AND Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS
 JOBBERS IN
 FLORISTS'
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METS,
 BRIDES,
 GONTIERS,
 CARNATIONS,
 ALWAYS ON HAND.

1 Music Hall Place,
 BOSTON, MASS.
 HORTICULTURAL AUCTIONEERS.



THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
Meteor,
Testout,
 And all other desirable roses, grown especially for first-class trade.
BURNS & RAYNOR,
Wholesale Florists,
49 West 28th St., NEW YORK.

THOS. YOUNG, Jr.,
Cut Flowers,
WHOLESALE,
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WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application.
Edward C. Horan,
 34 W. 29th Street, NEW YORK.
WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.
 Price list on application.
JAMES PURDY,
WHOLESALE DEALER IN
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FINE ROSES
WHOLESALE,
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THEO. ROEHRS,
WHOLESALE
FLORIST,
 111 WEST 30TH STREET,
 NEW YORK CITY
 Established 1879.

FRANK MILLANG,
WHOLESALE FLORIST
408 East 34th Street,
Cut Flower Exchange, NEW YORK.
 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

WHOLESALE PRICES of seeds are weak on nearly the wholeline; January business has been so light generally as to make the former discouraging outlook even more gloomy.

SANTA CLARA, CAL., January 26.—We are now enjoying a few days of sunshine after eight long weeks of continued wet weather which seriously interfered with all farm work. We do not know that any damage has resulted though some districts were flooded and everything too wet. It cannot be told until they begin to start if onions have been hurt. L.

To Continue Distribution of Seeds.

WASHINGTON, D. C., Jan. 25.—The bill making appropriations for the support of the Department of Agriculture for the fiscal year 1896, as completed by the House Agricultural committee, carries \$3,282,150, an increase of \$81,586 over the appropriation for the current year. Secretary Morton submitted no estimate for an appropriation to purchase seeds for distribution through Congressional agencies, which has been in vogue so many years, but instead asked for \$50,000 to publish and distribute farmers' bulletins of interest to that class of people. The committee, however, thought it desirable that the seed distribution should be continued and have provided an appropriation of \$180,000 for that purpose and reduced the estimate for farmers' bulletins to \$20,000.—Chicago Tribune.

Making a Good Impression.

Tom is so very punctilious, and in this case was especially anxious about producing a good impression. But the florist made the mistake of sending with the roses the card that bore the inscription: "Do the best you can for \$2."—Life.

After the Funeral.

She.—"Yes, I noticed the flowers; they were superb, but whatever induced you to send Jacquinet roses to a funeral?"
He.—"Why, didn't you notice that the design was a gridiron?"—Life.

COATESVILLE, PA.—A. N. Greenfield has sold his business to Phillips & Goodwin and has removed to Collingdale, Pa.

OTTUMWA, IA.—Thos. Kemp, formerly of the Kemble Floral Co., Oskaloosa, Ia., has entered into partnership with F. M. Teter of this city, and the business will be continued under the name Ottumwa Floral Co. The new company will build four houses 20x64 for roses. Trade is good.

WINONA, MINN.—W. E. Smith is preparing to erect a new house 25x150.

CHARLOTTE, MICH.—Mrs. Emma J. Church succeeds Mrs. E. T. Church.

NEW CHRYSANTHEMUMS.

Fewkes, Challenge, Dalledouze, Inter Ocean, Mrs. Hs. Mrs. Hill, Mrs. Lippicott, Benin, Mutual Friend, Bonnation, Yellow Queen, Davis, Pitcher & Munda, Gray, Beau Ideal, Bramhall, and others. Sold in sets of 12 plants each under the head of "Specialties" and "Novelties." Older varieties "Selects of 1893," 16 plants and the "Old Guard Set" of prize winners, 18 plants each. Price, \$1.00 for each set plants by mail, postage paid by me. Send for catalogue.

MEREDITH B. LITTLE, GLENS FALLS, N. Y.

THE BROWN BAG-FILLING MACHINE CO.,
MANUFACTURERS OF
AUTOMATIC MACHINES FOR PUTTING UP SEEDS,
FITCHBURG, MASS.

FOR THE SEED TRADE
ONION SETS,
SWEET PEAS

Vaughan's Seed Store,
New York: **CHICAGO:**
26 Barclay Street. 146-48 W. Washington St.

AND A GENERAL LINE OF FLOWER SEEDS, GARDEN TOOLS, ETC.



HIGH GRADE
Mixed and Seedling
GLADIOLI

WORLD'S FAIR MEDAL
And Society of
AMERICAN FLORISTS'

CERTIFICATE OF MERIT.

Tell us what you want and we will give you prices.

GUSHMAN GLADIOLUS CO.,
EUCLID, OHIO.

Cox Seed & Plant Co.

SAN FRANCISCO, CAL.,

Seed Growers

AND NURSERYMEN.

Contract Price List on application. . . .

Florists' Seeds

in the choicest strains, and Spring bulbs quoted in our new Trade List for 1895, now ready and mailed free on application.

Address **August Rölker & Sons,**
P. O. Station E, NEW YORK.

When writing mention THE AMERICAN FLORIST

Gardiner's Celebrated English Mushroom Spawn.
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co.,
Philadelphia, Pa.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

NEW CROP Flower Seeds
Just Received.
Now is the Time to Sow
MICHELL'S Special Strain
MAMMOTH VERBENA SEED.
This mixture can not be surpassed for immense size of flower and brilliancy of colors: It is made of 40 per cent scarlets, 30 per cent. plinks, 20 per cent. blue and purple, 10 per cent. striped. Each floret is larger than a silver quarter and has a large showy eye. We have secured the whole crop of a Verbena specialist. Per trade packet, containing 750 seeds, 50c.; per 1/4 oz. 80c.; per oz. \$1.00. Order at once as this stock is limited. Verbenas grown from seed are preferable to those grown from cuttings, as they are free from rust.
SMILAX SEED—New crop, 50c. per oz.; 4 oz. for \$1.50.
Send for our Wholesale List of Flower Seeds now ready
HENRY F. MICHELL, Seedsmen,
1018 Market Street, Philadelphia.

NOW is the time to plant VERBENA SEEDS

The progressive kind will meet your needs, And make a grand sensation; 'Tis the kind that spans the silver half And makes progressive Florists laugh, And saves them much vexation.
New crop now ready. None but the best XXX seed offered. Will produce some grand novelties. We've had florets 1 1/4 inches across. First Premium at Mt. Holly Fair this year. 1/4 oz. 60c.; 1/2 oz. \$1; total pkt. 10c.
Hand hybridized Double Petunias, Dreer's; one better. 500 seeds 60c.; 1000 seeds \$1.00.
Single fringed, Dreer's and California Giant blended, saved from the most magnificent showy varieties in cultivation. 500 seeds 30c.; 1000 seeds 50c.
Dwarf French Gold striped Marigold, makes nice pot plants for spring sales. Trade pkt. 25c.
Dwarf Marguerite Carnation, all saved from fine double flowers. Trade pkt. 25c. Lots of other good things. Novelty price list, free to all. Cash with order please. Address
J. C. GIBSON, WOODBURY, N. J.

SOMETHING OF INTEREST TO Market Gardeners and Truckers
to be had for the asking. Write now for it.
Address **JOHNSON & STOKES, Seedsmen,**
217 & 219 Market St., Philadelphia, Pa.

Jno. F. Croom & Bro.,
WHOLESALE
Tuberose & Caladium Growers
MAGNOLIA, N. C.

Jobbers only please correspond with us in regard to contracts. Prices right.

VERBENAS. Good assortment. Clean and healthy.
STOCK PLANTS\$3.00 per 100; \$25.00 per 1000
ROOTED CUTTINGS 80 8.00
CARNATIONS. Rooted Cuttings of leading kinds, \$2.50 to \$3.00 per 100; \$20 and \$25 per 1000.
VIOLETS.—Marie Louise, strong from 2-inch pots, no disease, \$4.00 per 100. Terms cash.
JOSEPH HEINL, JACKSONVILLE, ILL.



GREVILLEA ROBUSTA.

FRESH SEED; CROP '94.
OZ. \$1.00; PKT. 25c.

Largely used for veranda boxes and centers of vases. A very useful plant and easily raised from seed. Grows rapidly; will stand a lot of rough usage, and often takes the place of a valuable palm as a pot plant. I make a specialty of choice Flower Seeds for Florists. 18 years' experience. Send for list.

G. C. WATSON,
Wholesale Seed & Bulb Merchant,
PHILADELPHIA, PA.

CHOICE

FLOWER SEEDS FOR FLORISTS

Our Specialty.

Fresh seed just arrived. New crop Sweet Peas just received.

Price List for florists free on application.

HERRMANN'S SEED STORE,

413 EAST 34TH STREET,

Near Long Island Ferry, NEW YORK.



FROM JAPAN. — Bulbs, Seeds, Trees, Palms, Etc.

FROM AUSTRALIA. — Araucarias, Palm Seeds, Etc.

FROM CALIFORNIA. — Bulbs, Seeds, Trees, Etc.

Orders booked up to Dec. 1 for Cycas Revoluta Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,

(Established 1878) SAN FRANCISCO, CAL.
Oldest and most reliable Import house.

BULBS.

Hulsebosch Bros.

ENGLEWOOD, N. J.

SELL ALL KINDS CHEAP.

Mention American Florist.

SEEDS

Of all kinds, true to name and fresh.

Jos. F. Dickmann,

1110 N. Third St., and Gravois and Oregon Ave.,
Send for my New Catalogue, FREE. ST. LOUIS, MO.

Mention American Florist.

LAST YEAR A PROMINENT VIOLET GROWER OF PENNSYLVANIA RECEIVED privately 25 plants of **THE CALIFORNIA VIOLET**, and has thoroughly tested growing them for profit. His experience is they grow as healthy and strong in Pennsylvania as in California under exactly the same treatment as given to the Marie Louise, and he considers them by far the most profitable and satisfactory violet to grow. They have bloomed profusely with him since last September, with every prospect of continuing to bloom until late spring, as when recently seen his plants had an average of at least fifty buds and flowers on each. His plants have produced violets as large as grown in California, on upright, stiff stems, 10 to 12 inches long. He will plant them very largely the coming season.

We have advices from California that we are to receive the first eastern shipment made of the Violets, which will probably arrive during the next ten days, and we shall be pleased to receive orders for immediate or later shipment, as may be preferred.

In a nutshell it has been demonstrated that **THE CALIFORNIA VIOLET** grows equally well in the east as in California, and every claim made for it in California has been realized in Pennsylvania.

CULTURE: THE CALIFORNIA VIOLET is hardy, and should be grown exactly the same as Marie Louise or other Violets, either in cold frames or Violet houses; or if planted in the open ground will bloom in the early fall and spring.

DESCRIPTION.

Plant vigorous and absolutely free from disease; flowers single, immense in size, covering a silver dollar; color violet purple (does not fade); fragrance intense; flowers borne on strong stems 10 to 14 inches in length. Last season several hundred flowers were picked from a single plant. Delivery of plants will begin in March, 1895.

PRICE.

As the Eastern Agents for this **NEW VIOLET** we are enabled to offer the plants at the same price as charged by the introducer in California. We quote for quantities less than 100, **15 cts.** each; **\$10** per hundred; **\$70** per thousand; 500 at thousand rate. **Orders filled strictly in rotation.**

PITCHER & MANDA, Inc., Short Hills, N. J.

BURPEE'S SEEDS ARE BEST
THE BEST
For Florists and Market Gardeners.
WARRANTED; — "Few Equal—None Better."

Special Wholesale Price List mailed Free on application, together with "A BRIGHT BOOK ABOUT SEEDS," novel and unique, of interest to all planters who desire the **BEST SEEDS** that Grow.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.



Write for Trade List of best imported and domestic Flower and Vegetable Seeds.

The imported seeds have been personally selected during our trip in Europe.

CHAS. SCHWAKE,

404 E. 34th St., New York.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty. 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Seed for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

When writing to any of the advertisers on this page please mention the **American Florist.**

CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established.

Lil. Auratum, Spec. Rubrum and Album, Etc.
Iris Kämpferi, in 100 choice varieties.
Japanese Maples, in best varieties.
Camellias, Pæonies, Tree Ferns, Raphis, Etc.
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

F. Gonzalez & Co.,

303 to 312 Wayne St., SAN FRANCISCO, CAL.

Michel Plant and Bulb Co.,
WHOLESALE FLORISTS.

ST. LOUIS, MO.

WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices

WEEBER & DON,
Seed Merchants and Growers.

114 Chambers Street, NEW YORK.

EXTRA CHOICE FLOWER SEEDS.

List free on application.
FRED. ROEMER, SEED GROWER,
QUEDLINBURG, GERMANY.

St. Louis.

The prevailing cold weather has shortened up the supply of stock of all kinds, and there has been no more received than was called for. Violets both home grown and southern have been very short, home grown owing to the inability to open frames and southern on account of the two late cold waves. Carnations are in fair supply but most growers are not cutting the maximum amount from their houses, owing to the smallness of the plants when benched in the fall, from lack of moisture during the summer. Bulbous flowers are nothing like as plentiful as in former seasons and those having them are making it profitable. From present indications, however, and from the way inquiries are being made, and orders placed, there will be the usual glut next season with the accompanying loss.

Mr. Herzog of Gratiot Station was called upon recently and his stock found in good shape. His principal and favorite plant is the carnation and his stock of them was fine. Among the whites Lizzie McGowan has proved to be the best, a trial having been given to most all the other varieties, and it will be grown almost exclusively next season for white. The old standby Portia holds its own with any of the reds. Those being cut now are as good in color and size as could be expected. Scott and Daybreak are the two best pinks and will supersede the rest. Some very fine flowers are being cut from old Pres. Garfield, the trouble with this variety being its late blooming habit. Mr. Herzog is experimenting with it however, and feels confident he can get it to commence blooming in the fall. If he can there is no red variety that will excel it.

A house of smilax is also grown, and is found to be profitable; there is a good demand in the St. Louis for smilax, a large portion of that used being shipped in from a distance. It appears to be somewhat neglected by the home growers.

At Lindenwood, the next station to Gratiot, Mr. Henry Aue has just finished a range of three short-span-to-the south houses, each 18x103. These are the first houses erected on this plan in this city and the outcome will be watched with interest. The heating will be by low pressure steam with the single pipe system.

R. F. T.

CARNATIONS.

NOW READY.

	2 1/2 inch Pots.	2 1/2 inch Pots.
Helen Keller, Ada Byron.....	\$4.50	\$6.00
Adelaide Kresken, Jacqueminot.....	4.50	6.00
Buttercup, Daybreak.....	2.00	4.60
McGowan, Portia, Wilder.....	1.50	2.50

ROSES. READY FEB. 15.

Bride, Meteor.....	3.00
Bridesmaid, Perle.....	3.00

Healthy stock. Special 1000 rates.

Terms on application—flats, 2 1/2 inch pots, etc. GENISTAS, 2 1/2 inch pots. \$5.00 per 100 LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES, GLENSIDE, PENNA.

WM. SCOTT. THE "BIG ALBERTINI. DAYBREAK. MCGOWAN. FOUR."

Selected Healthy, Well Rooted Cuttings of these fine Carnations Ready to ship any time.

Prices Reasonable. Guaranteed Stock. ALEX. McBRIDE, ALPLAUS, N. Y.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.



MILWAUKEE, WIS.

ROOTED CARNATION CUTTINGS.

250 AT THOUSAND RATES. 25 AT HUNDRED RATES.

LIZZIE GILBERT, The Famous New Scarlet, \$10.00 Per 100 \$80.00 Per 1000

	Per 100.	Per 1000.	Per 100.	Per 1000.
Bride of Erlescourt, the wonderful				
New White.....	\$12.00	\$90.00		
Alaska (new), Purest White.....	10.00	75.00		
Lizzie McGowan, white.....	2.00	15.00		
Silver Spray, white.....	2.00	15.00		
Wm. Scott, pink.....	3.00	25.00		
Daybreak, pink.....	2.00	15.00		
Tidal Wave, carmine pink.....	\$ 2.00	\$15.00		
Meteor, rich crimson.....	10.00	75.00		
Ferdinand Mangold, deep crimson.....	2.50	20.00		
Goldfinch, yellow.....	5.00	40.00		
Helen Keller, white with pink lashes.....	5.00	45.00		
J. J. Harrison, variegated.....	2.50	20.00		

* Clean, Well Rooted Stock. Positively No Rust *

ELLIS & POLLWORTH, MILWAUKEE, WIS.

The Bride of Erlescourt CARNATION.

SEEDLING 1890. PORTIA X SILVER SPRAY.

An extra large full flower, strong stem, good calyx, pearly white, delicately fringed, highly fragrant and an excellent shipper. Plant exceedingly healthy and grand grower; foliage stronger than Daybreak. Altogether the finest and most perfect White Carnation ever raised. This is our assertion, and we are borne out in it by hundreds of florists who have been to see it.

Scores of testimonials are reaching us from all over the Continent.

HERE ARE SOME TO-DAY:

MONTREAL, CAN., Jan. 21st, 1895, Dorchester St.

Gentlemen:—The Bride of Erlescourt is without exception the finest white Carnation I have ever seen, and have been handling cut flowers for over thirty years. Yours truly, J. S. MURRAY.

ALLIANCE, OHIO, Jan. 21st, 1895.

MILLER & SONS, Bracadale, Ont. Gentlemen:—I received your consignment of plants and flowers of Bride of Erlescourt in good order. Time forbids an analysis of this grand acquisition to the list of white carnations at this moment.

It suffices it to say it far exceeds my expectations; the character of the flower and the features of the plant place it beyond all question in the very front ranks of all existing whites.

Yours very truly, L. L. LAMBORN.

Price of Rooted Cuttings, delivery March 15, \$3 per doz.; \$12 per 100; \$90 per 1000.

Address MILLER & SONS, BRACONDALE, ONT.

THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free.....	\$12.00	\$100.00
ROSE QUEEN—New, fine commercial pink.....	12.00	100.00
CORSAIR—The scarlet McGowan.....	10.00	75.00
ALASKA—New, white, large, productive.....	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet.....	10.00	80.00
WM. SCOTT—Clear pink, very free.....	3.00	25.00
GOLDFINCH—The best yellow.....	5.00	40.00
DAYBREAK—Light pink, fine.....	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON, GRAND HAVEN, MICH.

CARNATIONS.

ROOTED CUTTINGS.

Will take orders until April 1st.	
Helen Keller, Bouton d'Or.....	\$ 5.00 per 100
Wm. Scott, Albertini, Mrs. Reynolds.....	20.00 per 1000
Daybreak, Wabash, Richmond.....	15.00 per 1000
McGowan, Puritan, Portia, G. Wilder.....	12.00 per 1000
Tidal Wave, S. Spray, White Wings.....	10.00 per 1000

A. T. JACKSON, Station X, CHICAGO.

VERBENA SEED.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed the finest in cultivation. Blooms an inch in diameter, in extra large trusses, of finest colors.

Each per trade pkt. 25c; 3 pkts. 60c; 6 pkts. \$1.00. I will here thank my florist friends for the many letters of commendation received during the past year. JOHN F. RUPP, Shiremanstown, Pa.

NEW CARNATIONS.

	per 100	per 1000
BRIDESMAID, bright clear pink.....	\$10.00	\$75.00
METEOR, deep brilliant crim. scarlet.....	10.00	75.00
STORM KING, show white.....	10.00	75.00

Ready April 1st, 1895.

UNCLE JOHN, pure white.....	5.00	40.00
THE STUART, scarlet.....	5.00	40.00
E. A. WOOD, variegated.....	5.00	40.00
GOLDFINCH, yellow-edged pink.....	5.00	40.00
WM. SCOTT, pink.....	3.00	25.00
DIAZ ALBERTINI, pink.....	3.00	25.00
DAYBREAK, pink.....	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100. Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON, La Fayette, Ind.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and exclusively for cuttings and plants.

Inspection and correspondence solicited.

Descriptive price list on application.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

CARNATIONS

Healthy well rooted cuttings new ready.

	Per 100 Per 1000
Wm. Scott and Mme. Diaz Albertini.....	\$2.50 \$20.00
Daybreak and Tidal Wave.....	2.00 15.00
Lizzie McGowan, Wilder and Portia.....	1.50 10.00
Buttercup.....	3.50 30.00

Cash with order. 10c. per 100 extra when shipped by mail.

FERNIS—Choice varieties, from 2 1/2 inch pots \$3.00 per 100

LETUNIAS—Double Fringed, choice varieties, from 2 1/2 inch pots..... 3.00 per 100

GERANIUMS—Fine Double and Single varieties, from 2 1/2 inch pots..... 3.50 per 100

Cash with order. Price list on application.

JAMES HORAN & SON, BRIDGEPORT, CONN.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Har- rison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

WANTED!

A good, free blooming, healthy, vigorous **Yellow Carnation**. Flowers must be perfect, of fair size and borne on long, stiff stems. There must be plenty of pips, and these easily rooted.

AND HERE IT IS—Any one of the following will fill the bill:

ELDORADO—Pure yellow ground edged with light pink. Picotee marking.

KITTY CLOVER—Light yellow striped red with a little white.

EULALIE—Yellow ground penciled with pink.

We also offer this year

PRINCESS BONNIE—A beautiful pink variegated flower of large size; and **DAISY BELI**—A white, variegated similar to Chester Pride, but very much larger flower.

Send for general price list of both Carnations and Coleus.

W. R. SHELMIRE,
AVONDALE, Chester Co., PA.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

CARNATIONS—ROOTED CUTTINGS

\$9.00 to \$25.00 per 1000.

COLEUS—Rooted Cuttings, 75 varieties, my selections, in 40 or 50 varieties, \$4.50 per 1000 by express; 70c. per 100 by mail.

GIANT DOUBLE ALYSSUM, 70c. per 100; \$6.00 per 1000.

LADY CAMPBELL VIOLET, \$1.25 per 100; \$10.00 per 1000.

NO RUST. NO FUNGUS. NO MEALY BUG.
WM. H. SEARCH, Avondale, Chester Co., PA.

Carnation Mrs. Fisher IMPROVED.

Strong Rooted Cuttings, free from disease, \$2.00 per 100; \$15.00 per 1000.

CHARLES EVERDING, Branford, Conn.

Carnations. NOW READY.

WM. SCOTT, from sand.....\$3 per 100; \$25 per 1000
LIZZIE MCGOWAN, from sand..... 2.50 " 20 "

The above varieties are from "specially selected stock." Do not be misled by cheap offers. Poor stock is dear at any price. Plants from soil will be ready February 15th.

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"THE CARNATIONS."

Per 100 Per 1000
WM. SCOTT, Rooted Cuttings..... \$3.00 \$25.00
LIZZIE MCGOWAN, Rooted Cuttings.. 2.50 20.00
TIDAL WAVE, Rooted Cuttings..... 2.50 20.00
Of the above lot we are booking orders for early delivery. We have some Wm. Scott now ready. We call particular attention to our stock of Wm. Scott, which is extra fine. Lizzie McGowan, the best we have ever seen. Tidal Wave does particularly well with us and is remarkably good. The other varieties we offer are also in fine condition. As we have the control of JEROME A. SUYDAM & CO'S stock, together with our own, it will compare favorably with any yet offered. Special prices on 10,000 lots. CASH WITH ALL ORDERS.

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READY NOW.

Rooted Cuttings, that are guaranteed well rooted and perfectly healthy. If they are not you can ship them back and have your money returned.

Write for prices, stating how many you will want of each variety and when they are to be delivered, I think we can make a satisfactory deal together.

List of varieties on application.

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Booking Orders NOW

— FOR —

WILLIAM SCOTT, Per 100 Per 1000
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Strong **HEALTHY** plants FROM THE SOIL for early **SPRING DELIVERY.**

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Per 100, \$2.00, Per 1000, \$15.00.

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HELEN KELLER, rooted cuttings.....\$4.00 \$35.00
Out of 2 1/4-inch pots.. 7.00
Rooted cuttings of the following varieties 2.50 20.00
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The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

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CARNATIONS.

Rooted Cuttings. No disease. Stock true to name. Sample Free.

Daybreak, Tidal Wave.....\$2.00 per 100; \$16.00 per 1000
Silver Spray, McGowan..... 1.75 per 100; 12.00 per 1000
Helen Keller..... 6.00 per 100; 50.00 per 1000

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I DON'T THINK.

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It has never visited us (barring Mr. David Rust of the "Exchange"), and clean, vigorous stock of the following list will be at your disposal on and after Feb. 1st, 1895.

Per 100 Per 1000
Opheila, new, large, medium pink.....\$10.00 \$80.00
Sweetbrier, pink..... 5.00 45.00
Wm. Scott, pink..... 3.00 25.00
Daybreak, pink..... 2.50 20.00
Thos. Cartledge, carnine, scarlet at night..... 2.00 15.00
Puritan, white..... 2.00 15.00
Lamborn, white..... 2.00 15.00
McGowan, white..... 1.50 12.50
Mrs. Fisher, white..... 1.50 12.50
Portia, scarlet..... 1.50 12.50

Other standard varieties if desired.

Excellent stock of **Lady Campbell Violets** now ready. "THE SLOPE," **C. S. SWAYNE, KENNETT SQUARE, Chester Co., PA.**

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A large pink **CARNATION**, a little darker than Scott. Winner of Craig cup for best seedling at Philadelphia, in spring of '93; will be ready for distribution Feb. 1st, at \$10.00 per 100; \$80.00 per 1000. Those wishing to list it please write.

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ROOTED CUTTINGS.

Ready now. Positively no Rust. Also rooted **Mums, Lady Campbell Violets.**

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P. O. Box 226, KENNETT SQUARE, PA.

CARNATIONS & VIOLETS

Per 1000
5000 DAYBREAK..... \$15.00
5000 SILVER SPRAY..... 10.00
5000 LIZZIE MCGOWAN..... 12.50
LADY CAMPBELL VIOLETS, well rooted runners..... 10.00
Immediate delivery for cash.

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Rooted Cuttings.

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Last year's novelties.....\$5.00
Finest standard sorts.....\$2.00 to 3.00

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Wm. Scott, Albertus, Stuart..... 3.00

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Grevillea Robusta.

Strong 2 1/2-inch pots, 50c. per dozen; \$3.00 per hundred.

NATHAN SMITH & SON, ADRIAN, MICH.

St. Paul, Minn.

The past week has witnessed a great scarcity of white flowers, roses and carnations especially. This can be attributed to cold, dark weather, off crop "season with the growers and a number of funerals of prominent people. Trade has shown quite a decided increase and both growers and store men rejoice alike.

We recently visited the Mendenhall greenhouses in Minneapolis and found much to please and edify. His range of houses, or series of ranges, is so extensive and his stock so large and varied, that one-half cannot be seen or described in an afternoon visit. Just at present his roses are nearly all "off crop" but the plants are looking well and promise good results for the future. His experiment with roses and violets in solid beds is proving highly satisfactory, the roses being superior, while the violets are decidedly better than those planted in benches.

In carnations he has a large number of varieties some of them looking well, while others are badly affected by rust, which is being fought quite successfully. We noted some very fine blooms of Uncle John, The Stuart, Bouton d'Or and other promising varieties. In ferns, palms, dracaenas, crotons, etc., he has several large houses. His stock of these plants is by far the largest and finest in the twin cities. His orchid house is a mass of bloom.

One of the latest firms in the business here is Hougren & Nelson, whose place was built in the summer of '93. Their houses, five in number, are built in a favored sunny location on the slope of a hillside facing the south. Their stock of cyclamen is one of the finest ever seen in the city, while their violets are hard to beat anywhere. A spring on the hillside furnishes them with an abundance of fresh water the year round. Their trade is principally wholesale. FELIX.

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	Per 100	Per 1000
Golden Queen & C. Verschaffeltii, rooted cuttings.....	\$.75	\$ 6.00
Coleus in variety.....	.60	5.00
Geraniums in flats.....	1.75	15.00
Geranium Mme. Sallerol.....	1.25	10.00
Geranium, Rose.....	1.75	
Petewew.....	1.25	10.00
Ageratum, blue and white Tom Thumb.....	.75	
Salvias.....	1.00	
Heliotrope, four varieties.....	1.00	
Penurias, Dreer's strain.....	1.50	
Vincas, variegated and green.....	1.50	
Alternantheras.....	.50	

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Rooted Cuttings.

VERBENA—A large collection of fine bright colors, all robust growers, at \$7.50 per 1000.

COLEUS—Twenty best bedders, plenty of red and yellow, \$6.00 per 1000.

CANNA—Mme. Crozy, strong bulbs, at \$6.00 per 100.

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Swainsona Galegifolia Alba.

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Best market sorts of previous years, 35c per doz.; \$2 per 100. Ready for delivery Feb. 1st. Also

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GERANIUMS, single and double mixed.....	\$1.00
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VERBENAS.....	1.50
HELIOTROPE, from 2-inch pots.....	1.50
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Geraniums, bronze and silver.....	1.50
Ageratum, Brighton Beauty.....	1.00
Ageratum, White Cap and Cope's Pet.....	.75

Cash with order. If to be sent by mail, add for postage 10c. per 100 for Alternantheras; 20c. per 100 for Coleus, Heliotropes, Fuchsias and Ageratums; 30c. per 100 for Begonias and Geraniums.

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PAUL MARQUANT.	ALPHONSE BOUVIER.	NELLIE BOWDEN.	} \$5.00 per 100; } \$45.00 per 1000.
FRANCOIS CROZY.	MME. CROZY.	STAR OF '91.	

THE ELIZABETH NURSERY COMPANY, Elizabeth, N. J.

New Chrysanthemum, PHILADELPHIA.

The great prize winner. Orders booked now for delivery March 15th.

NEW CARNATIONS	50 cents each; \$6.00 per dozen; \$55.00 per 100.
UNCLE JOHN, white; THE STUART, scarlet; SWEETBRIER, pink; SAMBO, crimson; \$1.00 per dozen; \$5.00 per 100, EDNA CRAIG, WM. SCOTT, 40c. per dozen; \$3.00 per 100.	
NEW YELLOW DAISY (Etoile d'Or), plants from 3-inch pots, \$1.00 per dozen; \$6.00 per 100.	
Wholesale Price List of new and rare plants sent on application.	
SWAINSONA GALEGIFOLIA ALBA, from 2 1/2-in. pots, 75c. per doz., \$5.00 per 100.	

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CARNATIONS,	SWEET ALYSSUM,
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W. B. WOODRUFF, Florist, Westfield, N. J.
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Pittsburg.

The regular meeting of the club was held on Tuesday evening, January 22, the most important part being the election of officers for the ensuing year. Everything moved off nicely; and the following officers were elected: A. W. Bennett, president; Jno. Herron, vice president; Geo. Oesterle, secretary; A. F. Dalzell, assistant secretary; Jno. Baeder, treasurer; P. S. Randolph, Chas. Siebert and J. W. Gibbs, executive committee. The officers-elect were installed and each made a few remarks for the welfare of the club. Each pledged his support and assistance to make the club second to none in the country. The president appointed J. Ludwig, Wm. Love and A. Nelson a committee to form a bowling club, to secure alleys and report at the next regular meeting. As we have quite a number of 240 bowlers the Buffalo boys want to keep a moving or the smoky city will be after that cup, Great Scott beware! A number of the members, not the ones who made such "remarkable" scores at Atlantic City in the shooting contest, are practicing daily, in fact are blind to any other pleasures. The essays of the evening were on account of elections carried over until next meeting.

A suggestion was offered that a suitable prize be awarded at least once a month on a meeting night for best bunch of roses, carnations or some plants, such as the committee might state in advance, and at close of the meeting to be auctioned off, the proceeds to go to the club's treasury. This will be acted on next meeting.

The weather remains very cold, and a scarcity of good stock is noticed. Transient trade is very poor, the principal work being made up pieces, receptions, etc. All retailers say business is fair and seem satisfied. It is surprising to think that of all the first-class cut stock used in this city more than one-half of it is shipped in from the east.

P. S. Randolph is laid up with rheumatism and proposes a trip south for his health.

We are looking to the meeting of the S. A. F. executive committee in March with pleasure, and would be pleased to have as many visitors as possible drop in that time.

The cyclamens at Phipps Conservatory are in full bloom, the 1,500 plants with from 10 to 30 blooms each massed together make a fine sight.

We had a pleasant call recently from R. H. Warder, Superintendent of Cincinnati parks. BROWN.



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Size	Packed Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2 1/2 inch	1,000	about 20 lbs.	\$0 25	\$2 00
3 "	1,000	" 23 "	30	2 30
3 1/2 "	1,000	" 34 "	35	2 80
4 "	500	" 45 "	50	4 00
5 "	500	" 75 "	90	5 00
6 "	500	" 110 "	90	8 30
		" 150 "	1 50	13 35

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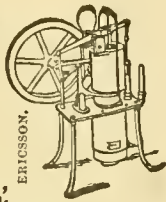
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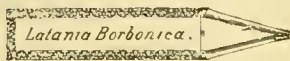
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THE ACME AJUSTABLE FANCY Metal Pot Label.



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Manufactured from decorated tin and brass, of neat appearance, will last for years; holds removable card board name of plant, always legible, protected from moisture by transparent mica. Size, 5 3/4 inches long, 1 inch wide. Send for descriptive circular.

Tin Labels, price per 100 \$1.75. Tin Labels, sample dozen, postpaid, 30c. Brass Labels, price per 100, \$2.25. Brass Labels, sample dozen, postpaid, 35c.

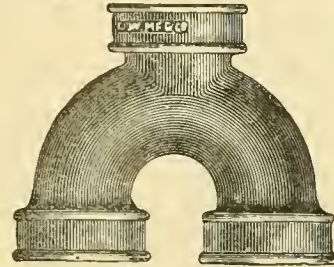
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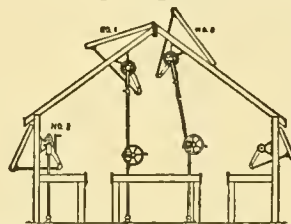
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PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

News Notes.

SOUTH FRAMINGHAM, MASS.—A. Herbert has opened a florist store at 13 Irving Square.

COLORADO SPRINGS, COLO.—Mr. William Clark is spending his winter vacation in California.

BARRE, VT.—Sanders & Sias have succeeded to the business formerly run by Wm. Clark.

PAWTUCKET, R. I.—Wm. Hoffman has opened a flower store on the corner of East avenue and Main street.

CAMBRIDGE, MASS.—The Shady Hill Nursery Co. is about to locate its central office at 102 State street, Boston.

NEWBERN, N. C.—The semi-annual meeting of the North Carolina Florists' Association will be held in this city February 20 to 24.

NASHUA, N. H.—The New Hampshire Horticultural Society has been incorporated. The incorporators are W. D. Baker of Rumney, G. A. Wason of New Boston, W. H. Stinson of Mont Vernon, Alonzo Towle of Freedom, and John W. Farr of Littleton.

BELVIDERE, ILL.—L. E. Coleman has opened a retail floral store at 420 South State street, where he will also carry a line of seeds. Stock in his greenhouses is looking well, a house of McGowan carnations being particularly good. C. H. Maynard, formerly with E. H. Hunt, Chicago, is in charge.

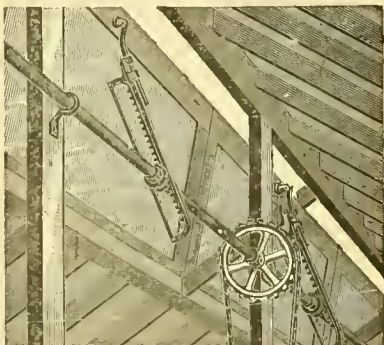
ASHEVILLE, N. C.—On Thursday, January 24, there was a large and enthusiastic gathering of four florists in this city who proceeded to form the Asheville Florists' and Gardeners' Club with the following officers: Robert Bottomly, president; R. G. Milford, vice-president; J. W. C. Deake, secretary; C. Zbinden, treasurer. We intend to have a chrysanthemum show here this year that will surprise the natives.

SEE HERE

BROTHER

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What Growers Say!
A Different Letter Every Week

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Gentlemen.—We are well pleased with the material purchased of you for our last house. The quality was excellent, measure generous and price very reasonable. I shall probably place more orders with you in the Spring. Yours truly,
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For circulars and estimates ADDRESS

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Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

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We will furnish you with prices on application, and will fill all orders promptly. Our Pots are excelled by none in the market.

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3 1/2	7.25	11	15.00
4	9.00	12	20.00
5	13.50	14	40.00
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August Rolker & Sons, 136 & 135 W. 24th St., New York City, New York Agents.

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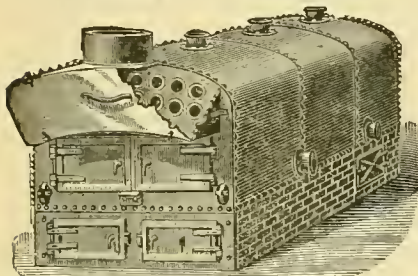


THE KINNEY PUMP.

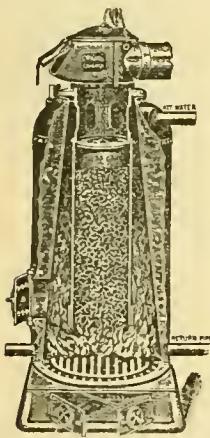
Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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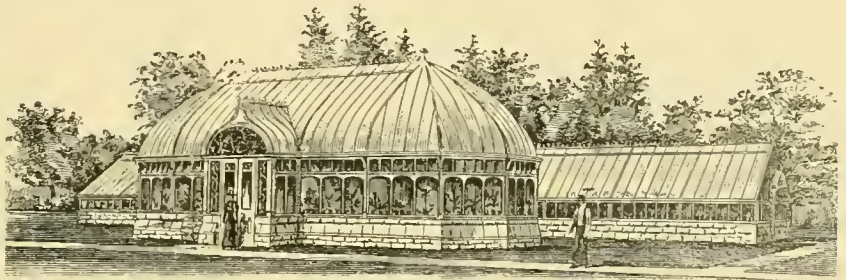
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WORLD'S COLUMBIAN EXPOSITION
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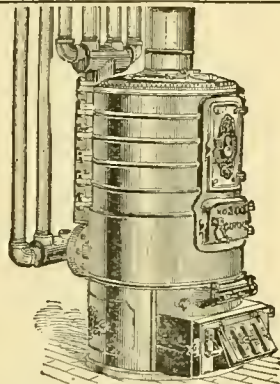
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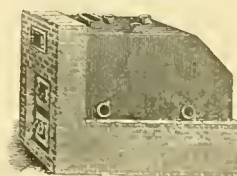
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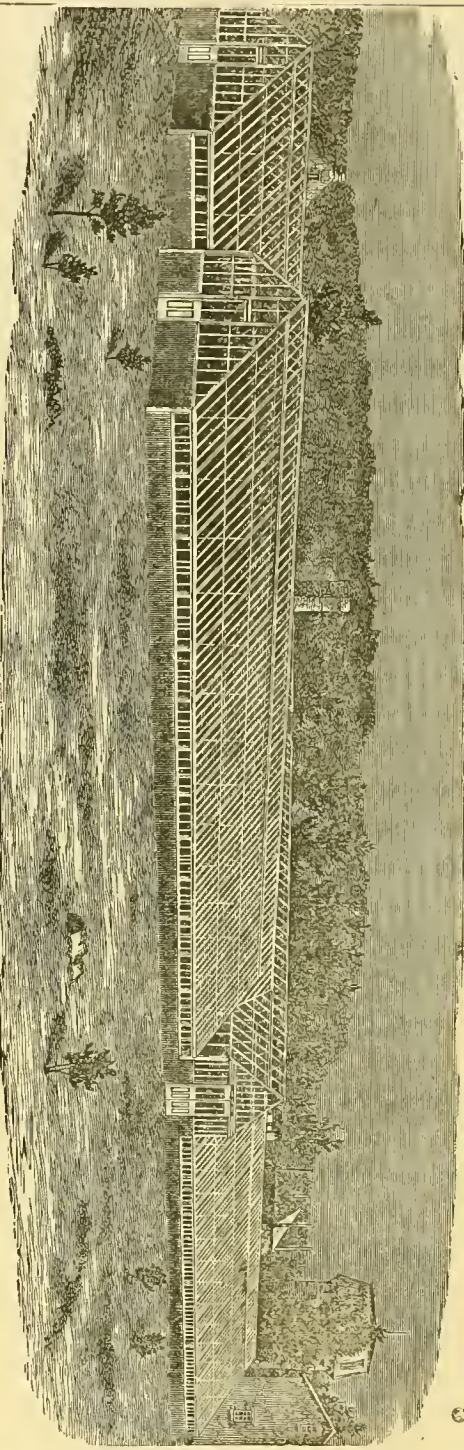
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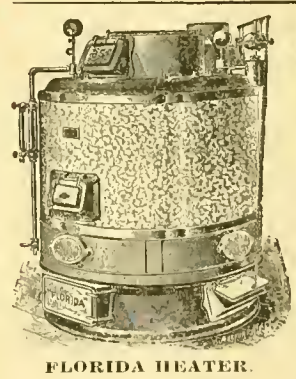
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for Rose Houses, Conservatories, etc., etc.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. X.

CHICAGO AND NEW YORK, FEBRUARY 9, 1895.

No. 349

THE AMERICAN FLORIST

Copyright 1895, by American Florist Company.
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY
THE AMERICAN FLORIST COMPANY.
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,

P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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WATERBURY, CONN.—W. J. Snow's greenhouses were burned February 7. Loss \$8,000.

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Hardy Plants and Shrubs and Their Arrangement.

BY J. WILKINSON ELLIOTT.

[Read before the Mass. Horticultural Society February 2.]

The almost universal practice of using tender or half hardy bedding plants in ornamental gardening in preference to the hardy herbaceous plants and shrubs is open to criticism. Is it true that the people really prefer the short lived brilliancy of the tender sorts, followed by a long period of dreariness, to the ever-changing attractiveness of grounds judiciously planted with well selected flowering or otherwise ornamental hardy plants, which, even during the winter months, afford a pleasing variety to the garden view? It is my belief that people do not have a choice in this matter; they do not read gardening papers; and in the city parks and gardens, as a rule, they find the tender bedding plants are the chief reliance for the decoration of the grounds and therefore they buy what the local florist offers for their purpose. But these bedding plants are a yearly expense, while the hardy plants and shrubs, when once placed, are permanent, and furnish a fresh growth of beauty each succeeding year, with no further expense except for care and culture (which are always necessary for the tender plants in addition to annual purchase money). The tender plants endure but three or four months, but the well selected and properly planted hardy plant will open its display in early spring with snowdrops which are in bloom with the first pleasant days, even in March. They are quickly followed by scillas and crocus. Next come the tulips and narcissi, for a month; and before they are past the early flowering herbaceous plants are showing bloom, and the flowering shrubs have begun a display that will end only with the autumn. By May the creeping phlox, columbines, doronicums, Oriental poppies, German and Siberian irises; and of shrubs the lilacs, spiræas, Japan quince, magnolias, mollis and Ghent azaleas; of climbers the clematis, in its splendid varieties, open a season that will cover six months. June brings out rhododendrons, kalmias, roses, *Lilium candidum* and *L. elegans*. July ushers in Japanese irises and lilies in varieties that will show flowers until frost comes. During that period the tall phloxes, yuccas, rudbeckias, gaillardias, tiger lilies, hollyhocks, single and double, campanulas, rugose roses, day lilies, altheas, hydrangeas, tamarix, hardy sunflowers, and a host of other good things will also add their floral tribute.

When the autumn opens the Japanese anemones and the old fashioned and hardy chrysanthemums come on and will bloom through early frosts and even early snow storms.

But the skillful gardener will find a place for many tender plants, especially

for the gladioli, dahlia and tuberous begonias, which can be easily stored in the dwelling house over winter. A place can also be found for the large flowered cannas, not in isolated groups on the lawn, but in small groups in the margin of a shrubbery where their stiffness will be concealed, yet their fine colors will be useful. Phlox Drummondii, sweet peas, asters, calliopsis and tall nasturtiums can also be added. The most important thing we have to consider in gardening with hardy plants and shrubs is their arrangement. We must study to produce a pleasing effect at all seasons—to have a succession of bloom, that the garden shall never be dull or uninteresting.

As hardy plants are usually put in where they will remain for years it is well to make a liberal preparation of the soil before planting. I usually specify that the borders should have two feet of good, friable soil, mixed with one-fourth its bulk of rotted stable manure. Borders should be prepared in late summer or fall, and the planting be done in the following spring. Fall planting is recommended by some, but my experience is that many fall planted trees and shrubs are winter-killed that would have proved quite hardy if planted in the spring, so as to have the benefit of a growing season to establish themselves.

A border three feet wide in front of a house was planted with *Eulalia gracillima*, *erianthus*, *Funkia Sieboldiana* and *F. subcordata*; the last two in front of the first two. As these were selected for form and foliage they were effective throughout the season, and as a contrast a group of tuberous begonias was introduced, and these have to be planted every spring. The porch of this house was shaded by *Halliana* and golden honeysuckles, *Clematis Jackmanni*, *C. Henryi* and *C. paniculata*. A border at one side of the house was much shaded, and was planted with shade loving plants, such as native ferns, native cypripediums, trilliums, lily of the valley and tiarellas and a group of *Lilium lancifolium* at the point of most light. Another border, in front of a hedge of California privet, has first a line of hardy roses; among these gladioli are planted each season. In front of this line is one of narcissi, of sorts. The rest of the border is filled with hardy herbaceous plants, including columbines, Japanese anemones, iris and lilies, pæonies, German iris, *Helianthus laetiflorus*, *Coreosis lanceolata*, gaillardias, *Rudbeckia hirta*, hardy asters, campanulas, phloxes, delphiniums and *Heuchera sanguinea*. These are grouped in selections to secure a constant succession of bloom. In front of these is a line of tulips, narcissi, millas, etc., sweet peas, Phlox Drummondii and nasturtiums are added where space is found. The brick walls of the house are covered by *Ampelopsis Veitchii*. A single stem of Chinese wistaria is trained upon a wire to the

eaves of the house, along which it forms a fringe. Crocus, scillas and snowdrops are put into the earth all over the lawn, and their bloom is a highly prized feature of the estate.

Upon a lot two hundred feet deep by one hundred and fifty feet front, with an eastern exposure, the house should be placed nearly midway from front to rear of the lot, and only far enough from the northern boundary to permit a screen of planting to be made. The entire southern, western and a portion of the eastern boundary should be occupied by a border, varying in width from five or six feet to twenty, with a curved outline on the lawn. This should be planted principally with shrubs arranged in groups; but a few trees, such as birches, magnolias and Judas trees, and a few evergreens, such as retinosporas, should be used; also evergreen shrubs in quantity. Where a great variety of hardy plants is desired the entire margin might be filled with them, but a more effective arrangement is to plant them in bold groups, one variety in a group, and alternate them with groups of shrubs. Some of the stronger growing plants, such as the sunflowers, foxgloves and single hollyhocks, might be placed in the middle or back part of the border, and the Japanese *Lilium auratum*, *L. rubrum* and *L. album* and our American species *L. superbum* can always be planted with advantage in groups of rhododendrons and azaleas. After such a border is fully planted with trees, shrubs and hardy plants there will be many opportunities to introduce spring flowering bulbs—tulips, narcissi, etc. This border should be kept in cultivated condition, free from weeds or grass, and mulched with manure every year. The lawn should be kept quite free from trees, shrubs or flower beds, or, at most, have only a few choice specimens planted on it.

In larger places, where a vegetable garden is included, the latter should be concealed from the house by a large growing hedge, even including trees. These larger places permit the planting of hardy shrubs and plants in masses, as if they were growing wild. Naturalizing hardy material does not mean attempts to imitate thickets or woods on our lawns, but rather taking advantage of a brookside for iris, narcissi, hardy ferns, etc., that will thrive in such places; planting native rhododendrons, azaleas, kalmias by rough banks or ledges; the planting of climbing plants so as to hide uncouth or unsightly trees, or old shrubbery, transforms the spot into a thing of beauty. Climbing plants of the hardy class should be used much more freely and with great advantage. Do not try to train them in stiff, formal ways, they will always produce beautiful effects if allowed to grow naturally. There is nothing more charming in nature than the combination of shrub or tree with wild vines.

LIST OF PLANTS.

Hybrid perpetual roses, as Paul Neyron, Ulrich Brunner, Madame Gabriel Luizet, Gen. Jacqueminot, Anna de Diesbach, Magna Charta, Baroness Rothschild, Cant. Christy and Mabel Morrison.

Herbaceous plants—*Anemone japonica alba*, single hollyhocks, Japanese iris, *Lilium auratum*, *Rudbeckia hirta*, *aquilegia* in variety, *Yucca filamentosa*, herbaceous peonies, both single and double varieties, *Lilium speciosum*, *Helianthus lœtiflorus*, foxgloves, tall perennial phlox in variety, delphiniums in variety. *Aster nova-angliæ rubra*, the old fashioned hardy chrysanthemum, *Iberis sempervirens*, the lilies *superbum* and *Can-*

dense, *Phlox subulata* and *P. subulata alba*, *Pyrethrum uliginosum*, *Sedum spectabile*, *Doronicum plantagineum excelsum*, *gaillardia*, oriental poppies, *Eulalia gracillima*, *Funkia Sieboldiana* and *subcordata*, *Arundo donax*, *Hibiscus moscheutos*, *Heuchera sanguinea*, *Pyrethrum roseum*, single and double, *Spiræa palmata* and *filipendula*, *Tiarella cordifolia*, *Myosotis palustris semperflorens*, *Helianthus rigidum*, *Campanula turbinata*, and *Mariesii*, *Viola cornuta*, *Cypripedium spectabile* and native ferns in variety.

Spring flowering bulbs—*Narcissus bicolor Horsfeldii*, *N. poeticus*, *N. Emperor*, *N. Von Sion*, *N. alba pleno odorata*, *N. Golden Spur* and *N. Trumpet Major*; tulips, both early and late flowering, single, and *Gesneriana*; *Milla uniflora*, crocus in variety, *Scilla siberica*, single snowdrops.

Climbers—*Clematis paniculata*, *C. Henryi*, *C. Jackmanni*, *C. Virginiana* and *C. flammula*; *Ampelopsis Veitchii*, Chinese wistaria, purple, trumpet creeper, golden Japan honeysuckle and *Halliana* honeysuckle.

Shrubs—*Kalmia latifolia*, rhododendrons, *Catawbiense* hybrids, *Azalea calendulacea* and *arborescens*, *Ghent* and *mollis* azaleas, *Spiræa Van Houttei*, *Weigela candida*, *Magnolia stellata*; Japan maple—*sanguineum*, *aureum* and *atropurpureum dissectum*; tree peonies, *Hydrangea paniculata grandiflora*, Japan snowball, *Cornus Spathii*, and *C. elegantissima sanguinea*, lilacs in variety, *Tamarix tetrandra* and *chinense*, *Berberis Thunbergii*, *Forsythia suspensa*, *Exochorda grandiflora*, *Desmodium penduliflorum*, *Spiræa Lindleyana*, *S. Reevesiana* and *S. R. fl. nl.*, *S. Anthony Waterer*, *S. Bumalda*, *S. Thunbergii* and *S. prunifolia fl. pl.*; *Rosa rugosa*; althæas—dwarf single white, *Brist's* variegated and double varieties; Japan quince, *Deutzia crenata*, *fl. nl.*, *D. gracilis*, *Hydrangea paniculata*, *H. quercifolia*, *Philadelphus coronarius*, *Weigela rosea* and *W. rosea nana variegata*, *Forsythia Fortunei*, golden elder, *Rhododendron maximum*, *Andromeda japonica*, *A. floribunda*, *Elaeagnus longipes*; snowberries, both white and red, *Prunus Pissardi*, *Hypericum aureum*, *Ligustrum Iboti* and upright honeysuckles.

THE RETAIL TRADE.

The Arrangement of Flowers.

XVIII.

ORCHIDS.

The orchid is rapidly coming to the front as a commercial flower. In our large cities at least it is no longer a rarity to see orchid blooms displayed in our florists' windows, in fact the flower is now quite an important factor in high class decorations and arrangements of various descriptions. That this flower has plenty of admirers among all classes is plainly evidenced by the crowds that are attracted by a window display of these flowers. There is a fascination about the orchid to the passer-by that no other flower possesses.

Though still high in price, when we consider the length of time that these flowers last in good condition, they are not so very expensive in the end. Many flower buyers are beginning to find this out. We know of several instances this season where two receptions were given within three or four days at the same

house and one lot of orchids served a useful purpose for both occasions. After the first reception was over the flowers were taken down and cared for by the florist and then re-arranged again a few days later, the only additional expense being the extra labor and perhaps a few hundred fresh adiantum.

Of all flowers there is none that lends itself to better purpose in a decoration than the orchid. The arrangement is at once easy and difficult. Easy to him with natural taste and difficult to the mechanical worker. We have often spoken of the danger of overcrowding; no flower is more impatient of such treatment than the orchid; its value is lost when it loses its individuality by crowding. Then again we must understand somewhat the nature of the flower. Take for instance a mantel or mirror-decoration, we wouldn't take such terrestrial species as cypripediums and tie them up among the vines. We ought to know at least so much of their habit that the proper place for them is at the base. And the epiphytal sorts, which embrace the larger part of the orchid family, will only show their real beauty when placed in their natural position.

One of the most useful adjuncts in orchid decorations is corkbark. We prefer this to any other kind of bark for the reason that it is very light, and it is soft and spongy so that you can press a pin into it easily with your thumb. The bark can be had at the dealers in florists' supplies at a moderate cost. It comes in pieces 5 to 8 inches in width and 2 to 3 feet long and can be cut into any desirable shape.

Our first illustration shows an arrangement of 14 cattleya blooms on a piece of bark about 6x24 inches. For green we used a string of *Asparagus plumosus*, which was first draped around the bark, held into the desired position by running a small double pointed tack over the stem into the bark. In order to keep the flowers from wilting tie a little green moss (thoroughly soaked with water) around the stem and then arrange these on the bark by the same process as above stated. Such an arrangement will display the orchid flower to good advantage and suggests the idea of the flower growing in its natural element. There is only the foliage of the plant lacking; this, however, is difficult to obtain unless you are fortunate enough to have a suitable piece of the growing plant which might be fastened to the bark; still in a general way for a decorative purpose the asparagus will answer very well and is perhaps the best vine we can use, as it does not wilt in a warm room. The cost of such a piece would be about \$8, 14 cattleyas at 50 cents each, string asparagus 50 cents, and bark say 50 cents.

The second illustration is put up in a similar manner with the same number of cattleyas and the addition of a few sprays of *lælia* and *dendrobium*, which add to the cost; 4 sprays of *lælia*s (10 blooms) \$2.50, 3 sprays *dendrobium* at 75 cents \$2.25, total \$12.75. Such pieces are very useful in a first-class decoration and might be suspended in a group of plants or in any other suitable position with fine effect.

There are many other ways in which the bark might be employed to good advantage, as for instance in banking a mantel. Here we may use in addition to asparagus some growing ferns tipped out of their pots if necessary and placed between the pieces of bark in a growing position, then trail your vines over the pieces of bark in a rustic fashion and



ARRANGEMENT OF ORCHIDS ON CORK BARK NO. 1.

fasten the orchids on these. Cypripediums can be used to fine effect in a basket of this kind, arranged in groups in the crevices between the bark and ferns.

Orchids in baskets are also very effective but wherever possible the green (and there should be a good deal of it) should be suitable growing plants, as the cut fronds of ferns wilt too quickly. We prefer the airy fronds of *A. gracillimum* to any other, or if the basket is a large one *A. princeps* is also fine. If these are not to be had other species of a similar character will answer.

We present an illustration of a basket exhibited at the Chicago show where a plant of *A. gracillimum* is used. The plant is tipped out of an 8-inch pot and bedded in sphagnum moss with a layer of green sheet moss on top. Around and through the fronds are arranged 50 *Cypripedium Lawrenceanum*, with *A. Farleyense* around the edge, a spray of *Oncidium* being tied to the handle. The expense would be: 50 *Cypripediums* at 20 cents (you can often buy them for much less) \$10, 1 spray of *Oncidium* 75 cents, 1 fern \$1.50, basket and moss \$1.25, *Farleyense* fronds \$1.50, total \$15.

The last illustration is that of an oval handle basket of medium size, filled with orchids in variety. For green, which is liberally used, we have *A. Farleyense* and *A. princeps*. The handle is draped with *Asparagus plumosus*, into which are tied a couple of sprays of *Oncidium*. The cost would be about as follows: orchids of various sorts \$15, *Farleyense* \$2, *A. princeps* \$1, basket and moss \$1.50, 1 strip *asparagus* 50 cents, total \$20.

Floral Fashions in New York.

The custom of sending bouquets to debutantes at their "coming out" reception is more generally observed in New York the present season than ever before. These bouquets, which are round and of good size, are laid on a table along side the lady who is receiving her friends, and each bunch is in turn held in the hand for a short time, so that no slight or undue favor may appear to be shown to any giver. To wear corsage bunches or other floral adornment about the person which would harmonize with any and all of these gifts would be impossible, so none are ever used on the dress at these affairs.

Baskets of flowers are very seldom seen on such occasions, and promiscuously mixed bouquets never.

In making the fashionable bunch the combination is as a rule confined to one or two varieties of flowers loosely and gracefully arranged and tied with a broad satin ribbon, which is sometimes wound so as to cover the entire stems, but is oftener merely knotted once around the stems, these being exposed with their own foliage below the bow. Natural stems only are admissible and such things as tinfoil, wires or stuffing of any kind are never used under any circumstances. The flowers composing these bouquets are as various as the tastes of those who order them, or the fancy of the florist whose advice may be sought. A bunch made up of lilacs with one fine hybrid or American Beauty rose; or a single *Cattleya* bloom in one corner, and loops of narrow ribbon of color to match attached to the rose or orchid, is a favorite combination with one of the most fashionable florists. Care must be taken that the flowers used combine gracefully in form as well as in color. For instance, stiff *mignonette* with orchids set in between is an example of bad arrangement. This combination, which can never be made to look easy and graceful, may be made still worse by the use of dark green ribbon, which will add a gloomy appearance to it. The effect of ribbon should be, as a general rule, to lighten up the design and not to tone it down, hence it should, in most cases, correspond in tint with the brightest and most cheerful color used in the combination. The best florists never send a bouquet out now without ribbon, and the selection of the proper color for each order requires the exercise of much good judgment. The kind used is double faced satin, three to four inches wide. The ribbon bill is quite a formidable item in a florist's expense account. In the case of one New York establishment it amounted to fifteen hundred dollars for the one month of December last. This large demand has encouraged the production of new tints and shades, and the manufacturers are now prepared to furnish ribbon to order, to match any flower specified.

One of the latest and most novel creations for a debutante, which was made by Mr. Geo. Stump and was much admired, consisted of a garland of orchids to hang over the arm. The orchid blooms were fastened in among the foliage of *Asparagus plumosus*, little knots and strands of baby ribbon being daintily woven into it. This was made in response to a call for something novel. Herein is indicated the great secret of the success of some of the big New York florists. People in the best society are constantly demanding something new—copying they detest. And the florist who expects to cater to these people must be able to suggest new ideas and novel combinations. The first question asked by a lady about to give a dinner or reception, is "what have you that is new, something that nobody else has had?" If the reply is "nothing," the customer is disappointed and is convinced that the florist is behind the times. Even though his suggestion is not accepted, his ability to make it stamps him as a man of ideas, and he has gained a big point.

DO YOU WANT Mr. Scott's seasonable hints for the year in book form, so that you can refer readily to his suggestions for any week in the year? You will find them in this form in our trade directory and reference book for 1894. Price \$2.00.



TO PREVENT RUST.—Dissolve one pound of sulphate of copper in two quarts of ammonia in a 2-gallon jar. When dissolved add another quart of ammonia and stir well. [The liquid can be kept in this form for some time and used as needed.] Add a pint of this solution to a barrel of water and syringe the plants with a force-pump every two weeks. And don't let the time for spraying pass without attending to the operation.

Carnation Notes.

The statement has often been made in these columns and the idea has become thoroughly established in many sections that cuttings should be taken only from plants that have been grown solely for that purpose rather than for the very finest flowers. The bearing of A1 flowers seems in the minds of some to unfit the plant for propagation in that the cuttings are weakened, and that too much of the vitality necessary for producing a healthy plant for the following season has been impaired. From results obtained during the past I am justified in contradicting this fallacy, for such I believe it to be. Strong healthy parents, as a rule, in every form of life produce healthy, strong offspring. I believe the carnation is no exception to this rule. For any grower to state that a plant must be grown slowly or in an impoverished condition seems very strange to me. Now it must be admitted that to obtain a flower three inches in diameter requires a very robust stem, in fact the plant must be in a state of perfect health. Why then should not this plant be the very best for reproduction? Is not this the course adopted by every grower of any note in every other branch of our trade? I sometimes think that growers have been led to denounce the custom of using stock which has been grown for very fine flowers because flowers of A1 quality have not been produced in their houses. They often state that these large blooms are not good keepers; if this were the fact would the leading retailers of New York buy this stock as they do in preference to the smaller at any price? The very culture that is needed to produce a large flower makes it a good keeper, for if this were not the fact the flower would go to sleep or shrivel before opening. If the plant is forced with too much artificial heat the stems grow weak and slim and will not mature other than a weak flower. Lots of manure combined with judicious watering and ventilating are the requisites for the production of first-class bloom, and the plant which furnishes this will give the best cuttings.

If these advocates of growing for cuttings only would advise resting the plants during November and December in a cold frame and then bringing into the houses, starting the plants then into a strong growth for cuttings we might give them some attention, but as it stands to-day we can look upon their advice merely as a dodge to catch trade for their stock. A grower of some prominence who called upon me to-day stated that he had tried stock from one who claims to grow and furnish cuttings only from plants grown quite cool and for cuttings only and that the plants never did as well as those which he purchased from stock grown for all it was worth. This is only one case

of very many. I have investigated this matter quite thoroughly and feel justified in making these statements quite emphatic.

The New York Florists' Club was invited to Mr. John N. May's establishment last week to examine the new rose Mrs. J. Pierpont Morgan, and the visitors found that not only had Mr. May a treasure in his rose but that he also had several carnations that were simply grand. Dean Hole, a new yellow of the Buttercup type, is in fine condition at present. The foliage resembles Buttercup as does the flower, but the tendency which the latter has to die off in the bench is lacking and the plant in most soils makes fine root growth. The flower is very large and well formed. Maud Dean is one of the most beautiful flowers I have ever seen; it is perfection in form and the color white ground shading to the center with carmine, which gradually disappears as the flower develops. This shading may seem to some who have not seen the flower to be a detriment, but the retailers, a number of whom were with us, were delighted with this novelty and, oh! how they would all like to handle the entire crop. Probably the most striking carnation which Mr. May has at present is one which he calls Lily Dean; this is a variegated sort similar to Helen Keller, but the markings are not as dark. The petals are larger, with a smooth edge, and when fully developed the bloom is quite flat on the underside but well built up in the center. Mr. May has but a few plants of this variety and he is taking good care of it, from present appearances it will be a winner. Helen Keller is doing finely with Mr. May this year, although Helen has not done well in many places I am convinced that it is from a lack of knowledge as to the best way to handle it. I understand that a fine display will be made by Mr. May at the convention in Boston this month. **CHARLES H. ALLEN.**

The American Carnation Society.

The annual meeting of the American Carnation Society will be held in the halls of the Massachusetts Horticultural Society on Tremont street, Boston, Mass., February 21 and 22. The large upper hall will be devoted to the exhibition, to which all carnation growers are invited to contribute, and which will be undoubtedly the grandest display of the Divine Flower ever seen in America. Flowers and plants intended for the exhibition should be sent, carefully packed, prepaid, in care of Mr. A. H. Fewkes, Horticultural Hall, Boston, Mass.; they will be staged on the morning of Thursday, February 21.

An exhibition of the diseases of carnations with specimens will constitute an interesting feature, and diseased specimens are solicited. Prof. Byron D. Halsted of the New Jersey Experiment Station, New Brunswick, N. J., will be present and assist in this department.

Following is the schedule of premiums: Class A.—Vases containing 100 blooms each as follows:

White	1st.	2d.	3d.
Pink (light), not to be darker than Wm. Scott	\$10.00	\$7.00	\$5.00
Pink (dark), not to be lighter than Tidal Wave	"	"	"
Scarlet	"	"	"
Crimson	"	"	"
Yellow	"	"	"
Variegated	"	"	"

Class B.—Vases containing 50 blooms each as follows:

White	1st.	2d.	3d.
	\$5.00	\$4.00	\$3.00

Pink (light), not to be darker than Wm. Scott	"	"	"
Pink (dark), not to be lighter than Tidal Wave	"	"	"
Scarlet	"	"	"
Crimson	"	"	"
Yellow	"	"	"
Variegated	"	"	"

Class C.—Vases containing 12 blooms each as follows. First premium only, no second or third. \$2.00.

WHITE.	
Lizzie McGowan,	Silver Spray,
Mrs. Fisher,	Puritan,
Uncle John,	Any other white.
PINK (LIGHT).	
Grace Wilder,	Wm. Scott,
Diaz Albertini,	Edna Craig,
Daybreak,	Adelaide Kresken,
Sweetbrier,	Ada Byron,
Nicholson,	Annie Pixley,
Any other light pink.	
PINK (DARK).	
Tidal Wave,	Richmond,
Thomas Cartledge,	Mrs. Hitt,
Any other dark pink.	
SCARLET.	
Portia,	Stuart,
Hector,	E. G. Hill,
Fred Dorner,	Garfield,
Any other scarlet.	
CRIMSON.	
Jacqueminot,	Anna Webb,
Ferdinand Mangold,	Creole,
Wabash,	Crimson Coronet,
Pride of Kennett,	Any other crimson.
VARIEGATED.	
J. J. Harrison,	Helen Keller,
Chester Pride,	American Flag,
Nellie Lewis,	E. A. Wood,
Stanley,	Orange Blossom,
Western Pride,	Dr. Smart,
Any other variegated.	
YELLOW.	
Buttercup,	Bon-ton d'Or,
Goldfinch,	Golden Triumf,
Any other yellow.	

Class D.—Pot plants, the pots not to exceed seven inches in diameter and one plant in a pot. First \$5.00; 2d \$4.00.

White	Best six plants.
Pink (light)	"
Pink (dark)	"
Scarlet	"
Crimson	"
Variegated	"
Yellow	"

Twelve distinct varieties.—1st \$10, 2d \$8, 3d \$6. Twenty-five distinct varieties.—1st \$20, 2d \$15, 3d \$10.

Special premium offered by the Florists' Exchange for the vase of blooms showing best culture, \$25.

Certificates of merit will be awarded all new varieties of distinct merit.

The American Carnation Society will hold two sessions each day in lower Horticultural Hall, at which the following papers will be read and discussed: Carnation plants for winter blooming, J. L. Dillon, Bloomsburg, Pa.; Carnations from the cutting to the field, Wm. Swayne, Kennett Square, Pa.; Review of carnations the past decade, Edwin Lonsdale, Chestnut Hill, Pa.; The care of carnations during winter, W. B. Du Ric, Rahway, N. J.; What are the advantages of disbudding carnations? C. H. Allen, Floral Park, N. Y.; Why is the carnation a popular flower? E. G. Gillett, Cincinnati, O.; How to distinguish the diseases of carnations, Prof. Byron D. Halsted, New Brunswick, N. J.

The New York and Philadelphia delegations will leave New York by Fall River Line steamer at 5 p. m. Wednesday, Feb. 20. All those who can conveniently do so are invited to join this party, and Mr. Eugene Dailedouze will, upon request, be pleased to secure state-rooms and arrange otherwise for the comfort of those attending. For further information address Eugene Dailedouze, president, Flatbush, N. Y., or C. J. Pennock, secretary, Kennett Square, Pa.

Chester County Carnation Society.

The regular meeting of the society was held in Kennett Square, Pa., Saturday, February 2, and despite the stormy



ARRANGEMENT OF ORCHIDS ON CORK BARK NO. 2

weather there was an unusually large attendance. The subject discussed was the dying of leaves on some varieties after lifting. Wm. Swayne thought it due to dry weather followed by late growth in fall. C. J. Pennock gave a brief explanation of difference in appearance between simply a dying of leaves and the destruction of tissue from bacterial disease. E. Swayne thought it always advisable to clean off dead leaves to insure a quicker and healthier growth. Louis Eastburn found that in a lot of *Portia* plants where some were cleaned and others not the former gave better flowers throughout the season but he thought no more.

Joseph Renard had tried vaporizing

and use of tobacco dust to destroy aphids, but had found neither effective and returned to use of tobacco stems dampened and burned. Wm. Swayne said he began smoking to kill aphids at once after lifting plants in fall, making use of it twice a week lightly and found it entirely effective.

Pres. Ladley called attention to the coming meeting of the American Carnation Society, which was to be, he thought, the best meeting ever held under the auspices of the national society.

The particular feature of the meeting was the flower exhibition and the exhibition of diseases of the carnation under charge of Prof. Halsted of New Brunswick, N. J. Among the cut flowers shown

were seedlings from Hicks & Son, two fine pinks; Louis Eastburn showed good reds and C. P. Barnard some dark ones. A bunch of about 25 seedlings in great variety of color came by express from Hancock & Son, Grand Haven, Mich., as the meeting opened, and while showing the effects of travel, many of them were extremely promising. A bunch of Ruth (white shaded pink) from F. M. Pennock, Charleston, W. Va., came by way of a Phila. commission house, and considering the time en route, were very good, stems stiff, flowers fine form and quite fragrant.

Theo. Whitson had found some trouble with Daybreak not opening well and showing a stained appearance on buds as they were opening. Wm. Swayne thought the bottom of bench might be found dry. E. Swayne gave notice of his attempt to keep some flowers of his seedling Jack Frost for the Boston meeting; flowers are now out and will be held three weeks for the exhibition. C. J.

Miscellaneous Seasonable Hints.

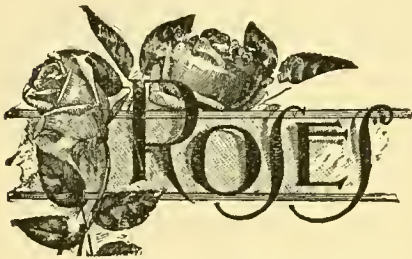
Pelargoniums that you want in flower for Easter (the old cut down plants are most useful for this) should now receive their last shift and be given more heat than they have had since last November. Always give them a light house with plenty of air round them. Remember to pot firmly, using a good strong loam with a fourth or fifth of some well rotted manure. While you are at the old plants select some of the stronger of the young plants that are now in 3 or 4-inch pots, and shift into 5-inch, in which they will flower. You will then have a succession. I found last spring that these beautiful flowers paid to cut as well as they did to sell in pots. Two varieties especially suited for cutting are Mrs. R. Sandiford, a beautiful white, and Mme. Thibaut, a lovely soft pink. The greatest enemy to the show pelargoniums is aphids, which will work sad havoc with them if allowed to attack them. So a constant regular fumigating must be kept up.

The Easter batch of cinerarias should now be in their flowering pots. A 5 or 6-inch cineraria will take a very rich soil. They like rotten cow manure, but don't let the soil be sifted fine; it is better coarse. It drains better and the roots thrive in it better. Some good English gardener said the sieve was the curse of the potting bench, and in a large sense he was right. The cineraria is a cheap plant, but if well grown will sell well at Easter. It must have a low temperature, plenty of light and plenty of room. Spread tobacco stems among the pots, and renew them every three or four weeks; it will help much to keep down the troublesome greenfly. This plan is particularly good for calceolarias, for while sure to be troubled with fly they don't like strong tobacco smoke, and their broad thick hairy leaves secure a good shelter for the aphids.

If you cut your second crop of smilax at the holidays, which you should have done, and the young growth is up a foot or two, now is a good time to apply a top dressing to the bed, for most likely many roots are showing on the surface. Cow manure that is not too fresh mixed with an equal portion of loam will do well for the purpose. If that is not to be had any manure that is not too fresh will do. Any manure used as a mulch when too fresh is liable to do much harm. The ammonia arising from it on bright days when it is too cold to give air has many times been the cause of trouble.

You have not been giving chrysanthe

mums much thought of late possibly. The old plants have been or should have been in come light cool corner or in milder latitudes in a cold frame. Perhaps you have some cuttings potted off and growing. There is no better plan to increase your stock of any variety than the method recommended by Mr. Elmer D. Smith last year, viz., when the cuttings are well rooted plant them out a foot or 15 inches apart in 3 or 4 inches of good soil on a bench. You will get ten times more cuttings than if grown on in pots, with a fourth of the labor, and the cuttings will always be brittle, and in that state a chrysanthemum cutting must be if you expect a good plant. I believe such sorts as are liable to come blind, notably that still grand variety Mrs. Bullock, would if propagated this way be far less liable to come so often blind. From these young plants put now on the bench you can continue to take cuttings till June. Select only the most vigorous plants for the purpose. WM. SCOTT.



Fertilizers for Roses.

Many think that because the rose is a strong, vigorous growing plant it will take liberal and strong fertilizing. There is no greater mistake made than this, so far as greenhouse culture is concerned at least. A correspondent sent me a sample of the leaves from his plants after having watered them with a solution of nitrate of soda, one pound to 50 gallons of water, and the effect was certainly very apparent; the edges of the leaves looked as if they had been scorched with fire and he says many of the young shoots are shrivelling up and turning black at the points and I am not surprised that they do after his having used this powerful salt in such proportion. I have tried many experiments with nitrate of soda and with me it has never been safe to use over half a pound to 50 gallons of water and even then should not be repeated too often. We have found once in twenty-five days often enough. And while on this subject it might be well to mention that for ordinary purposes the same law applies to all liquid manures, except in quite old plants where they have been growing two or three years in the same soil and the whole is a mass of roots; in such cases they will take it a little oftener particularly as the days get longer and the sun brighter. More plants are destroyed by over-feeding than by any other cause. A much safer method to follow is to feed lightly, or, to be more exact, make the liquid 25 to 50% weaker than is usually considered the right proportion, then when the plants are in proper condition to apply it give them a good soaking; furthermore, any liquid manure should be clear enough to see through it. In this condition the roots can utilize it at once and the plants will feel the effect almost immediately. Many think if a little is good more is better, but the sad effect of this doctrine is brought very prominently before us in every day life. JOHN. N. MAX.

New York.

The fashionable mid-winter season is fairly on now. A brisk demand is experienced all along the line and it is felt especially in the choicer grades of roses and carnations, prices of which are maintained easily at figures which ought to be satisfactory to both buyers and growers. More than ever the good stock is on top; only after that has been cleaned up is there a living chance for the poorly grown or carelessly handled, and the prices of the latter bear no comparison to those received for the former. Next to roses violets and carnations, orchids seem to have the call, and since the wholesale market price of cattleyas fell to \$3 and \$4 per dozen the consumption of these splendid flowers has increased amazingly. Occasionally there is a sudden special call for something which ordinarily counts for but little in the flower market. Such was the case recently when the death of Miss Marguerite Shepard, youngest daughter of the late Col. Elliott F. Shepard caused a demand for marguerites to be used in funeral tributes, which was satisfied with great difficulty. Among the novelties which attract attention are Japan quince, crab apple and forsythia blooms and flowering plants of Azalea mollis and double flowered almond. Geo. Stump's window is filled with this class of stock and it is much admired. There are some very handsome ericas and azaleas coming in at present. Ribbons and crepe tissue paper are used to hide the flower pot or to add brilliancy to the plant, and in this form they have a large sale in the leading stores. The general sentiment which seems to prevail is that the flower business is in a prosperous a condition as usual at this season.

The echoes of the fake story about Mr. Astor's extravagant order for flowers to be placed on his wife's grave have not yet ceased. The country papers are still harping upon "perishable pomp," "scornful rebukes," "wasteful extravagance," and "melancholy satisfaction," and are working themselves into a perspiration, alternately discussing the more excellent uses to which the money might have been put and calling each other down for their censorious faultfinding, and the New York journals which first gave currency to the miserable yarn, have not yet been honorable enough to contradict it or to acknowledge that the tawdry looking contrivance which they pictorially represented under the name of a princely floral mantle, never had any existence outside the imagination of their inventive sketch artist, although abundant proof has been given them of the utter falsity of the whole matter from beginning to end. As near as can be estimated, all the flowers used at the funeral in question did not exceed \$200, and none have been placed on the grave since then, nor have any orders to that effect been given. The indignation among those having regard for the best interests of the florist trade has not subsided but rather increased as the fact gradually comes to light that the story had its source in the old combination of a conscienceless florist and a gullible reporter. It is hard to understand how any florist can be so blind to the injury such misrepresentations are bound to work upon the business in which he is engaged, or wherein it can afford him satisfaction or prospective personal advantage. The general condemnation which prevails in the present instance is a warning which should be heeded by those who are inclined to indulge in these tricks.

The funeral services over the remains of the late Ward McAllister took place at

Grace Church on February 4. There was a great profusion of floral offerings. It is said that the announcement by this gentleman that no lady would wear any flowers but violets to the horse show last fall was primarily the cause of the tremendous rush on violets, which took place in New York at that time and forced the prices up to such an unprecedented point. Be that as it may, it is still a fact that the noted society leader made no attempt to pose as a dictator as to floral fashions, and was never regarded as an especially eminent authority in such matters. On account of the intimate relations, however, which he enjoyed for some years with high society, his favor was at one time much sought after by florists who aspired to the patronage of this class of flower buyers, and in this direction he undoubtedly exercised a considerable influence. He was, naturally, well known to the leading florists, all of whom speak of him as a courteous gentleman, genial and unassuming in manner, in fact, anything but the dude which popular fancy has pictured him.

The New York Florists' Bowling Club met the Flatbush aggregation in a friendly game of bowling on the afternoon of Monday, February 4, and vanquished them by a score of 1232 to 979. There was quite a large number present, and everything went off pleasantly, all being in the best of spirits and bent upon having a good time. Arrangements are being made for a return match to be played in Flatbush in the near future. The following are the scores made at Monday's game:

NEW YORK.		FLATBUSH.	
Kepler,	223	Mellis,	147
Hafner,	127	Riely,	108
P. O'Mara,	145	P. Dailedouze,	158
Burns,	155	H. Dailedouze,	133
C. H. Allen,	142	Burnett,	102
J. Young,	125	Schmutz,	88
Horan,	159	Zeller,	120
Leuly,	156	Bergmann,	123

Total 1232 Total 979

The members of the North Hudson County Florists' Club had an elegant time at their dinner at West Hoboken, on the evening of January 23. The tables were beautifully decorated, and some fifty of the members and their friends attended. Mr. Chas. Dietz, the president of the club, presided and extended a hearty welcome to the guests, after which speeches were made by quite a number of those present, and music was rendered by some professional musicians, assisted by amateur talent. The meeting broke up at an early hour on the morning of January 24.

Julius Lang, who has been for a number of years with Theodore Roehrs, has taken the store recently vacated by Mr. John Young, at 53 West 30th street, thus adding one more to the list of wholesale commission florists in this city. Mr. Lang has made many friends in the trade, and will no doubt succeed in establishing a profitable business for himself.

Messrs. Siebrecht & Wadley have just completed a new iron rose house, 20x240, which is to be devoted at once to the young stock of the rose Belle Siebrecht. The house will accommodate 80,000 young plants.

Mr. A. F. Brabant, the dealer in florists' pins, has received an invoice of about 1,000,000 pins with heads of a new and very effective shade of violet.

D. H. Roberts has moved his glass establishment to 132 and 134 South 5th avenue, where he will have a much finer



FIRST PRIZE ORCHID BASKET AT LAST CHICAGO SHOW. ARRANGED BY P. J HAUSWIRTH.

location and largely increased floor space. Thos. W. Weathered's Sons have moved their office to 139, 141 and 143 Centre street.

The establishment of Isidore Kaufman, 984 9th avenue, was damaged by fire to the extent of \$1,000, on February 2.

Mrs. Spencer, Conway street, Brooklyn, has sold out to W. H. Hall.

The wife of J. M. Hodgson died of pneumonia on January 24.

Boston.

Thermometer below zero and wind blowing a hurricane are not the conditions most conducive to a large attendance at a florists' club meeting. It is therefore worthy of record that the session of the Gardeners' and Florists' Club on Tuesday, February 5, the coldest night of the season, was one of the best attended meetings for many months, and there is no question that those who were there felt well repaid. Judge Hoitt's masterly address was listened to with closest attention and the discussion which followed, Messrs. Foster, Crowley, Ewell and Finlayson participating, showed that the audience were in full accord with the sentiments expressed by the essayist. Much pleasure was also derived from the entertainment kindly furnished by Mr. Augustus Zirngiebel, who played some beautiful solos on the cornet and created

much enthusiasm by a novel musical performance upon a collection of ordinary flower pots.

On the table were exhibited blooms of the two new roses Belle Siebrecht and Mrs. Pierpont Morgan and carnation Dean Hole, which had been sent by Mr. John N. May and Messrs. Siebrecht & Wadley for the inspection of the members. It was announced that the banquet to be tendered by the club to the American Carnation Society would take place on the evening of February 21 at the Hotel Brunswick.

Galvin's greenhouses on Belmont street, Cambridge, were damaged by fire to the amount of \$500 on the night of February 5.

The exhibition at Horticultural Hall on Saturday, February 2, was surprisingly good, surpassing any before seen at this season of the year. It was prize day for orchids, violets, carnations and camellias. There was a beautiful display of orchids, plants and cut blooms by Mrs. F. L. Ames. Specially noticeable were two hybrid cypripediums, one named Mrs. F. L. Ames, a cross between C. Tonsum and Fairieanum, and another called C. Balantine, a cross between C. purpureum and Fairieanum. On violets the competition was brisk, and the prizes were awarded to W. N. Craig, N. T. Kidder and H. S. Rand, as first, second and third. Marie Louise, as shown by David Nevins,

was superb. Wm. Nicholson, W. N. Craig, Sewall Fisher and Fisher & Aird were represented by numerous fine carnations, among which were several seedlings of much promise. As usual, F. B. Hayes had it all his own way with camellias, of which he showed a large collection. There was a big audience present to hear Mr. J. W. Elliott's paper on hardy plants and shrubs.

The cut flower trade is going along at an easy jog, there being just about enough stock received to supply the steady demand, with no very great scarcity or overstock in any line. Colored carnations sell at outside prices as soon as received; white ones go more slowly. Roses, if extra good, bring as high as \$2 per dozen, but there are a good many roses sold for a very much lower figure. Of hybrids there are none coming in yet excepting Magna Charta, although later on there will be a supply of many of the best varieties from several large growers. Bulbous stock is in fair supply with light demand. Double daffodils, as usual, sell better than single unless the latter are extra large and fancy. In tulips the only sorts that sell well are the light pink tinted varieties. Harrisii lilies are shortening up in supply. The first receipts of longiflorums have appeared at Geo. A. Sutherland's and they bring on an average 25 per cent better prices than Harrisii. Smilax is decidedly scarce; this is an unusual occurrence so early in the season. Asparagus is also pretty well cut out and the prospects are that it will advance in price. Mignonette is very plenty and sells slowly.

Mrs. Louis Sander of Falmouth, Mass., who was lost in the Elbe disaster, was the sister-in-law of Mr. Chas. Sander, gardener to Prof. C. S. Sargent at Brookline.

Frank Becker has been seriously ill with bronchitis since January 1. James Comley is confined to his home suffering with the grip.

Chicago.

Market conditions remain about the same as last week. There is no let up in the weather, in fact the temperature dropped several degrees lower than had been recorded previously. It is no wonder therefore that the supply keeps at low ebb. Bulbous stock, which isn't so much subject to weather conditions, is offered somewhat more freely but is not by any means too plenty. Tulips are much improved. At Kennicott Bros. we note some very good Keiserkroon and Yellow Prince. The Klehm Nursery is sending in some of their famous La Reine grown as usual with a rich pink color. Von Sion are fairly plenty, but move rather slowly at 5. Valley is still very short in supply and there is no trouble in obtaining 5 for good stock. Dutch hyacinths are coming in of fairly good quality but there seems little call for them at present. Owing to the scarcity of white in every line Romans are in great demand.

There is no change in the price of roses. Good Bridesmaid, Meteor and Testont bring 8, Mermets, La France and Wootton 6 to 7, Perles and Gontiers 4 to 6. Jacqs have make their appearance. T. J. Corbrey is handling some very good blooms grown by F. Stielow. These sell at \$2 per dozen. The same grower has three houses of hybrids which will be in crop in a week or two. This stock promises very fine this year.

Poehlman Bros., of Morton Grove, had an accident to their heating apparatus which caused a serious loss. The place is heated by hot water with two of the

largest size tubular boilers. These boilers are of ample capacity to heat the extensive range of houses, but for some reason trouble was experienced in securing a proper circulation of water through the pipes, affecting a section of 9 houses. The trouble kept growing worse and couldn't be located until Sunday night, when Mr. Mailander of Niles Center who is quite an expert in heating apparatus, was called in. Then it was found that the flow pipe extending from the boiler for about 30 feet was clogged up with a deposit of lime and iron which had formed a thick coating inside the pipe, which left in some parts barely an inch in diameter for the water to pass through. To take down the pipe, clean it, and put back in position took only three hours, but as the water had to be turned off during that time and with a temperature outside of 15° below zero (Sunday, February 3) it was impossible to keep the frost out. All the oil stoves that could be obtained were placed near the pipes to keep the water from freezing. About 50 of these little heaters were placed in the 9 houses but in spite of them the temperature dropped to 20° to 24°, which of course ruined the contents of the houses. Four of these are in violets, which, having been covered with paper and matting, may recover somewhat by spring. Three houses of carnations are badly frozen. One smilax house had just been cut out and the loss on that is small. The last house was used for forcing bulbous stock. As this was all in portable shape, being grown in boxes, the stuff was quickly removed to safe quarters and was nearly all saved.

Speaking of this accident Mr. Mailander is of the opinion that the cause is in the system of piping and that it may occur again so long as only one feed pipe is attached to the boiler, especially if the water, as is the case here, is largely impregnated with iron and lime. The water while passing through this single pipe is of such a high temperature that it dissolves these small particles of iron, lime, etc., which form a coating inside the pipes. He thinks that if three feed pipes (for which the boiler is made) are used there will be no trouble. The unfortunate experience of the Messrs. Poehlman should be a warning to others who have similar conditions to deal with.

At a meeting of the executive committee of the Horticultural Society of Chicago held last Saturday a premium list for the chrysanthemum show of 1895 was adopted and ordered printed. The dates decided upon are November 5 to 9 inclusive, making a five-day show. Owing to the crowded condition of the hall at the last show it was decided to this year engage both the armories, connecting the two together, as has been done recently for other large exhibitions. This will surely give abundant room.

The organization of the Chicago Florists' Bowling Club has been perfected. The officers are as follows: J. S. Wilson, Pres.; Robert Schenk, Sec'y; Chas. Held, Treas. It is proposed to have practice games every other Thursday.

Montreal.

The Montreal Gardeners' and Florists' Club at their annual meeting January 28, elected the following officers for the year 1895: President, John Eddy, re-elected; first vice-president, John Walsh; second vice-president, George Robinson; treasurer, A. C. Wilshire; recording secretary, Fred Bennett, re-elected; assistant secretary, Frank Bennett; corresponding secretary, Jonathan Bland. Committee,

James McKenna, Joseph Bennett, Wm. Whiting, John Perrin, George Pasco, Walter Wilshire remaining in office as ex-president. The secretary's report for the year was very satisfactory. There were 77 paid-up members at the end of the year, an increase of about ten over 1893. The various social events of the year were very successful, viz., annual dinner, winter games, field sports, July picnic. The chrysanthemum show was far ahead of any previous year in point of excellence of exhibits and number of entries, the door receipts being in excess of any previous year, but not sufficient to pay the prizes in full, the absence of special subscriptions towards prize list last year contributing to the above result, but there is consolation in the fact that the flower show of which enough money was taken at the door to pay all expenses has not been held in Montreal yet. The annual dinner took place immediately after the election of officers, in the club room, the election having taken place in the library of the Institute. The decoration committee with the use of an abundance of evergreen wreathing and Chinese lanterns succeeded in giving the room a very rich appearance. The table was T shape, and was a mass of rich bloom. Down the center were numerous fine specimen azaleas, cyclamens, *Spiræa japonica* and pans of daffodils and tulips, also several thousand cut flowers, such as daffodils, tulips, freesia, carnations, Roman hyacinths and roses, in glass bowls and vases. Forty-eight members sat down. The bill of fare was everything that could be desired. After full justice was done to the good things provided the chairman called for order while he proposed the first toast "Our Queen," after which came a number of others intermixed with songs and recitations. Wm. Graham of the firm of Wm. Ewing & Co. responded eloquently for seedsmen, J. McKenna of P. McKenna & Sons and Walter Wilshire for the growers, Alfred Wilshire for the store keepers, Wm. Whiting for the private gardeners, George Trussell for the S. A. F., John Doyle for the Montreal Horticultural Society, Secretary Bennett for the ladies, while "The press" was responded to by representatives of the *Star* and *Witness*. At 2 a. m. Auld Lang Syne was sung and a very happy jolly party broke up.

Echoes—The singing of the "Dear little shamrock" by Graham was a graceful compliment to Charley McHugh's rendition of "Scotland yet." Our "weather prophet" says he will have a new song for the next annual dinner. The "Red white, and blue" takes better with the boys than "Cushing." Lot of better things have come over the water than "London's latest comic song." Bill Wilshire can always be depended on for something good whether it be an orchid at the show or a song at the dinner. Jonathan kicked against having a dinner and I believe he has occupied his leisure time since in kicking himself for having missed it. The boys never seem to tire of Tom McHugh's "Opening time."

A. Martin has opened a new store opposite his old stand on St. Catherine street, it will be run by his son.

It is reported that Girdwood intends to move on to St. Catherine street in the spring. There are nine florists on that street at present.

There has been a glut of Roman hyacinths all winter. Paper whites have been in better demand this winter than last. Daffodils are beginning to come in now in quantity with a good demand so far. Dutch hyacinths with from 3 to 6 bulbs

in shallow pots from 6 to 8 inches wide and 4 inches deep are all the rage here. Azaleas are nearly all grown in the shallow pots also this winter, they are better for table plants than in the old style pot.

Considerable complaints are heard about carnations this winter, the want of a good white is badly felt. Walter Wilshire is cutting some excellent roses just now, Walter made a good hit on azaleas for Christmas this winter. Mushrooms are a drug this winter, fifty cents a pound is the ruling price just now. P. McKenna & Son have a very pretty pink sport from President Cleveland bouvardia. BEAVER.

St. Louis.

Trade for the month of January has been very good, more especially for the latter half of it. The continued severe cold weather has kept stock rather short, while the numerous society events in progress have necessitated the placing of orders out of town for stock in several instances.

About the largest decoration of the season was recently arranged by the C. Young & Sons Co., the occasion being a ball given by Mr. Pierce. The entrance hall was decorated with Beauty roses, a large vase containing 36 being placed in the center of the apartment. The mantel was covered with valley, two vases of Beauties standing on the ends, the fireplace being filled and banked with plants. A specimen plant of cattleya covered with flowers was suspended from the ceiling, attracting the attention of all. The reception room was finished in orchids and valley, baskets filled with them being placed on mantel and tables. Vases filled with valley were scattered throughout the room. Numerous pieces of bark upon which orchids were worked were suspended against the walls, giving a novel effect. The parlors were in pink and white, *Mermet* roses and hyacinths being used. Baskets of silk matching the color of the walls were filled with *Mermet*s and hyacinths, trimmed with white ribbon and suspended against the walls from the side chandeliers. The mantel was also in *Mermet*s and hyacinths, the lower part being banked with plants. Vases of *Mermet*s were placed wherever opportunity presented, 500 roses being used in this room alone. The library was in yellow, *Perle* being the only flower used. Three large baskets were placed on mantel and table, while roses were in evidence everywhere. Several fine specimen plants of palms occupied pedestals, giving the room a very graceful appearance. Specimen plants were used in all the rooms where opportunity offered, and gave a graceful finished appearance to the whole. The central table in the dining room held a large vase of Beauties. The sideboard and tables held large bunches of *Meteor* roses. Plants were also used liberally. The ballroom was finished in cattleyas and *Mermet* roses. Hat baskets of *Mermet*s and cattleyas trimmed with white were suspended around the walls from the chandeliers. The central chandelier was covered with smilax, while a screen of the same material was drawn across one end of the hall concealing the musicians. Specimen plants were placed around the sides of the room. All the upper rooms were adorned with vases of roses, the ladies' room being in white, valley and Romans being principally used, several vases of *Cusins* being the only color allowed. The gentlemen's room was in red carnations. The decoration as a whole was most effective and well carried out. R. F. T.



SECOND PRIZE ORCHID BASKET AT LAST CHICAGO SHOW. ARRANGED BY W. J. SMYTH.

Society of Indiana Florists.

The annual meeting of this society was held in Indianapolis February 4. The cold snap probably prevented the attendance of some of the members; however, a goodly crowd was before President Coles when he opened the meeting at 3 p. m. The president pointed out the fact that notwithstanding the unfavorable weather during the exhibition last fall there was but a small deficit. He stated that the society was never in a more prosperous condition, and recommended that great care should be exercised in awarding premiums and certificates.

The minutes and secretary's report were read and approved. The treasurer's report showed a balance of \$217.68 in the treasury.

A committee was appointed to go over the excellent flowers brought for exhibition, being instructed to use discretion in awarding the society's certificate to new and rare flowers.

Mr. Dorner was called on to read a paper on florists' clubs and how to make them more successful, but excused himself by saying that after long study he could not suggest any more than had been already done by our society at least. We have given splendid exhibitions, held the members together by social entertainments, and invited the profession in gen-

eral to visit our state and our meetings. He thought that in many places florists did not appreciate the importance of clubs and societies. The discussion that followed was participated in by many of those present.

The paper read by Mr. E. G. Hill was a review of exhibitions that he visited last fall. He gave his experience, and also made note of the principal items of interest. He remarked that while many shows were not so successful as anticipated on account of miserable weather most of them would try again the coming season. The discussion on this paper brought up the question of saving in decoration and placing higher premiums, but this being matter for recommendation to the new exhibition committee the discussion was voted closed.

After the adjournment of the afternoon session an informal supper was served. Of course witty speeches were in order after the appetite was satisfied.

At the evening session the question of holding another show was brought up, and occasioned a lively discussion. We're some favored caution in going ahead this year the general sentiment was in favor of another show, and it was so decided. E. G. Hill, J. S. Stuart and F. Dorner were appointed as an exhibition committee.

The election of officers resulted as follows: President, W. W. Coles, Kokomo; vice-president, Henry Michel, Marion; secretary, Robt. McKeand, Indianapolis; assistant secretary, J. S. Stuart, Anderson; treasurer, J. T. Huntington, Indianapolis. Auditing committee: A. Wiegand, Henry Rieman, John Bertermann.

The committee on awards reported that the best pink carnation shown was Mr. Dorner's Bridesmaid. Having received a certificate last fall it was given special mention. The same exhibitor received honorable mention for Mrs. C. H. Dubme, Uncle John, Storm King and Meteor. In addition to these Mr. Dorner showed some fine Stuarts, a fancy variety which was an improvement on Helen Keller, and a fine feathery white of peculiar form. Hill & Co. received honorable mention for a pink seedling (an improved Wm. Scott) and for A. M. Herr, and a certificate for the best red, the variety being Jubilee. Henry Michel displayed some fine seedling carnations, among them a yellow, which received honorable mention, and two very good pinks. The M. A. Hunt Estate sent Peachbloom, a fine rose pink.

Whitney roses were shown by Hill & Co., Meteor, Bride, Bridesmaid and Niphetos by M. A. Hunt Estate, Bridesmaid, Testout, Kaiserin and Perles by J. S. Stuart. Bertermann Bros. showed some cinerarias that would be hard to beat, and a fine box of Russian lily of the valley. W. B.

Society of American Florists.

The annual session of the Executive Committee of the Society of American Florists will be held at Pittsburg, Pa., beginning on Tuesday, March 12, 1895. An important duty devolving upon these gentlemen at this time will be the selection of subjects to be treated on by essayists at the convention in August next. To do this to the general satisfaction of the members becomes each year a more difficult task.

Many of the members of the society no doubt have ideas as to subjects which could be with profit embodied in the program for next summer's convention or could suggest to the executive committee plans of improvement or advancement in the society's work. Now is the time to bring such matters to the attention of the executive committee that they may receive careful consideration. Criticising the committee's work afterwards is an easy matter. Much better, however, if the critics would assist the committee with suggestions beforehand. Pertinent suggestions from any member of the society are always gladly welcomed and will receive due and courteous consideration.

Communications should be addressed to the secretary, Wm. J. Stewart, 67 Bromfield street, Boston, not later than March 9.

S. A. F. Charter.

The committee having in charge the S. A. F. charter pending in Congress, Messrs. Smith and Durfee, made a bold strike last Tuesday to get the bill through the Senate. It having passed the House during the extra session last summer they thought they had but an easy thing to get it through the Senate and then it would only require the President's signature to become a law. But they ran against an unexpected snag when Senator Proctor asked unanimous consent for the present consideration of the bill known as H. R. 5740, to incorporate the Society

of American Florists, Mr. Gray of Delaware, asked the question if this intended corporation is to be a corporation in the District of Columbia or is it intended that it shall bloom in all the states of the union. This provoked a discussion which was entered into by Senators Proctor, Gray, Frye, Chandler, Hunter, Hill, Bates and Harrison on the constitutionality which was fully brought to a close by Senator Hunter offering an amendment striking out the words "And such other states as may be donated or bequeathed in any state or territory," which was agreed to. Senator Gray was anxious that the entire matter be referred to the Judiciary committee, but our friends were on the alert and the motion was lost. With this amendment the bill was read a third time and passed. The amendment as it now stands will prevent the society from owning real estate outside of the District of Columbia. Senator Proctor, who is a warm friend of the bill, asked that the Senate request a conference with the House of Representatives on the bill and amendment, which was agreed to, and Senators Ransom, Peffer and Proctor were appointed. The matter came up in the House last Friday, and Mr. Hatch, Chairman Committee on Agriculture, from which committee the bill was reported, moved a nonconurrence in the Senate amendment, and asked for a committee to confer with the Senate committee which was granted. Mr. Hatch, Mr. Forman and the other whose name I could not learn were appointed. The bill is now in conference with five out of the six members friendly to the bill. Both Mr. Smith and Mr. Durfee have no doubt that the bill will pass some day this week, and will be all signed and ready by the meeting of the Executive Committee of the S. A. F. at Pittsburg, when those interested will have an opportunity to discuss the matter. REYNOLDS.

Philadelphia.

The demand for flowers the past week has been good and stock of all kinds has been moving lively. Good hybrids have the call, Brunners particularly being in demand. All good flowers sell readily for 50, seconds, and there are very few that are not considered first-class, go for 30. Heacock, Burton, Anderson and Smith & Whiteley are the hybrid men. Laings are cut out just for the present. Beauties and Belles are also in demand, \$5 per dozen now being top price except for extra long ones. All the large teas are in good shape and range in price from \$6 to \$10, with a very few extras bringing \$12 to \$15. Smaller roses sell for \$4 to \$5. Carnations sell very well and the great majority of the stock seems pegged at \$2, extra choice bring \$2.50 to \$3. Valley is plentiful at \$4. Tulips bring \$4 to \$5. Double daffodils have taken a tumble and are now \$4. Double daffodils used to be a profitable crop according to one of the growers a few years ago, but of late there is little profit in them. It was a poor bulb that did not produce two flowers a few years ago and very often three and four were cut from one plant, but now 125 flowers from 100 bulbs is about what to expect. Double violets continue in fair demand and range in price from 75 cents to \$1.50 per hundred. Single are now sold at \$2 to \$3 per hundred bunches, 20 flowers to a bunch. There seems to be quite a good deal of interest taken in violets this year and it looks as if there would be a better supply of this flower in Philadelphia next season.

The meeting of the Florists' Club last Tuesday evening was well attended despite the weather, which was very cold. The members met in the club room, Horticultural Hall. Robert Craig made a report on the new clubroom, which promises to be a grand affair and all that the club could wish for.

A very interesting paper on "Double violets as a profitable crop," written by Wm. Swayne of Kennett Square, was read by Robert Craig. In the discussion which followed it was shown that the path of the violet grower was not a very flowery one and that he had much to contend with. Wm. Baker was asked to give the commission man's side of the question. He said that double violets were an excellent flower to handle when nobody else had them; then he could sell lots of them and get a good price. At this time he could sell white carnations better than violets, which sold very slow. He raised a great laugh by saying he had violets in his ice box for two weeks, which some thought might explain his inability to sell them. Mr. Craig spoke of violets that Mr. Harris had raised in solid beds in low houses years ago which were very fine, but at that time he could only get 50 cents per hundred for them even at Christmas, and as they did not pay at that he gave them up. He grew Marie Louise. This kind Mr. Craig said on account of the violet disease, had been very troublesome to grow. The variety Lady Campbell seemed to be entirely free of this trouble and was doing very well with most growers who were growing it.

Mr. Cartledge had been handling Mr. Swayne's violets, all Lady Campbell, this winter and said they were always very good and exceptionally sweet. He said it was hard to keep the fragrance about double violets any length of time. He had found the best place to keep them was in a protected box outside in the open air; here they would keep fresh and fragrant for several days. He had found the Campbell violet to sell better than the dark one the past season. Mention was made of the new violet from California. Mr. Eisenhart of Holmesburg was said to be growing it and some thought it was the old Wilson variety, as it resembled that variety very much. Some growers said that the flowers of plants that were affected with spot would smell of it and soon lose all fragrance. Mr. Westcott said that good violets could not be grown near a large city as they were sure to get diseased. K.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. I want ads not admitted under this head.

SITUATION WANTED—By first-class gardener and florist; one who understands about every cultivation. Address M. P., care American Florist.

SITUATION WANTED—By a young man, age 19, as assistant in commercial place; has had 5 years experience. Can furnish best of references. Address JOHN CLARK, Calia, O.

SITUATION WANTED—By young florist, German, as assistant in good private place; good references. Address POPE, Simpson Estate, Westchester Ave., N. Y. City.

SITUATION WANTED—By experienced rose grower, forceful and reliable propagator, as foreman; competent to take full charge; East or South preferred; references. X Y Z, care Am. Florist.

SITUATION WANTED—By a first-class gardener or florist, age 22; 8 years' experience, sober and reliable; best of references. Address GARDENER, 746 Central Ave., Dover, N. H.

SITUATION WANTED—By a single man, age 28, strictly sober, four years' experience growing roses, carnations, general bedding and table plants, also design work, with some good florist; wages low. E. C. F. M., Dover, N. J.

SITUATION WANTED—By a married man, German, 31 years' experience in growing roses and all kinds of cut flowers, competent to take charge of a private or commercial place. Address A B, care American Florist.

SITUATION WANTED—By practical gardener and florist; thoroughly understands the growing of flowers, fruit and vegetables under glass; single, excellent references; private place preferred. Address A G, 356 Cumberland St., Brooklyn, N. Y.

SITUATION WANTED—By April 1st by a rose grower to take full charge of a medium sized plant where roses are made a specialty; understands his business, private or commercial. For full particulars address "WARNER," box 741, Nyack, N. Y.

SITUATION WANTED—By March 1 or before as florist or gardener 20 years' American experience; practical, energetic, good propagator and designer, wants good pay, or work on percentage; German, single, middle age. Address A J, care Am Florist.

SITUATION WANTED—As second gardener or to take charge of private place, 11 years experience, strictly sober, willing to do anything wished; permanent place required; married, no children, English; best reference GARDENER, box 17, Kenosha, Wis.

SITUATION WANTED—Young man, 28, would like a position in retail place as general man for making up and outside decoration; no objection to extreme west; familiar with Boston and New York styles; American and single. Address DECORATOR, care American Florist.

SITUATION WANTED—By a first-class florist and landscape gardener, Swiss, in a private place with greenhouse, March first; 4 years' experience in Europe and 3 years in large private place in this country; best of references. Address F. BURKHART, 1438 Noole Ave., Lake View, Chicago.

SITUATION WANTED—German, 33 years old, married, who has been foreman in large commercial places in this country for the last eight years, wants position as such, after the 15th of February. Have had seven years' European and 12 years' American experience. CHAS. JOHNSON, care Henry Timmer, 804 Commercial Ave., Jersey City, N. J.

SITUATION WANTED—By practical plantsman, fully posted on the general requisites of commercial places, including cut flowers, roses, carnations, etc.; general propagation, items of the nurseries, executive ability in the general management of inside, outside; best recommendations. For more particulars address PLANTSMAN, care American Florist.

WANTED—Catalogues and price lists of greenhouse material of all kinds. F. MEISENBURG, St. Cloud, Minn.

WANTED—To buy small florist business of about 5 to 6 thousand feet of glass. Address INDIANA, care American Florist.

WANTED—A young well recommended florist for retail store. H. F. HALL, 548 W. Madison St., Chicago.

WANTED—At once, catalogues and price lists of greenhouse material of all kinds. THE HATCHER FLORAL CO., Louisville, Ky.

WANTED—A young landscape gardener; must be strong and sober. F. F. HALL, Madison St. near Home Ave., Oak Park, Ill.

WANTED—A good man for palms, ferns and general greenhouse stock single; must be well recommended. H. F. HALL, 548 W. Madison St., Chicago.

WANTED—A good man acquainted with all branches of the business; single; must be good propagator and handy with telephone; references. CENTRAL FLORAL CO., Grand Rapids, Mich.

WANTED—By a practical florist, a small place to rent or buy on easy terms; must be a bargain and convenient to New York City. Address RELIABLE, care Am Florist, 67 Bromfield St., Boston.

WANTED—Gardener for private place; must be well up in his profession in all his branches and details; a married man and willing to board his men. Address with references and wages wanted JOHN D. IRVING, 22 William St., New York City.

FOR SALE CHEAP—Rooted coleus cuttings, 6 var., including Golden Bedder, by mail postpaid, 75¢ per 100; Alternantheras, 4 var., 40¢ per 100. Also 1 Furman No. 8 stem boiler cheap. Cash with order. GROHMANN BROS., Saginaw, E. S., Mich.

FOR SALE—Cottage house 7 rooms, with first-class repair, acre of prime land, center of lively town, 10,000 inhabitants, four railroads, 25 miles from Boston; first-class opening for a florist of moderate means, no competition. Address MICHAEL RYAN, 22 Boylston St., Brookton, Mass.

FOR SALE CHEAP—I will sell my Maple Hillights and Marlon Greenhouses (or plant), consisting of 2,000 square feet of glass; heated with steam and natural gas, stocked with the leading varieties of roses, carnations, geraniums, palms, smilax, etc., etc., with four acres of ground, under cultivation; a 6-acre on the place and about forty fruit trees of the standard varieties of cherries, peaches, plums, etc.; we are on three railroads with a direct line to the best flower markets in the west; only one competitor and a town of 20,000 inhabitants. Ill health the cause of wanting to sell. A great bargain to the right one. Address MRS. GEO. R. FRAVELL, 322 Washington St., Marlon, Ind.

FOR SALE OR EXCHANGE,

Strong healthy blooming size surplus stock of Agapanthus Alba, Tritoma Nobile, finest double Dahlias, Amaryllis; offers at once.

H. E. GOLD,
Sussex, N. B., Canada.

The Rose for the Million!!

BELLE SIEBRECHT.

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

What Mr. Montgomery of the Waban Rose Conservatories, at Natick, Mass., says:
OFFICE, BOSTON, MASS., Jan. 28.

MESSRS. SIEBRECHT & WADLEY:

Gentlemen.—After having grown 4 plants of your new Rose, Belle Siebrecht, for nearly a year I am decidedly very much pleased with it.

It has proved a strong, vigorous and healthy grower, and remarkably free flowering, while its very large flowers retain that beautiful clear deep pink color that is entirely its own, and the bud being so very long and pointed in shape there is no possibility of its bullheading or hooding over in dull weather, which is the case with so many other roses of this class.

On the whole we are so pleased with it that we intend to plant very largely of it for Boston market.
ALEX MONTGOMERY.

Another testimonial from a successful rose grower:

MESSRS. SIEBRECHT & WADLEY:

NEW ROCHELLE, N. Y.

It affords me much pleasure to express to you the very favorable opinion I have formed of your new Rose, after a careful examination of it at your place. It is certainly a beautiful rose, but what impressed me most was first its very fine texture and substance of the foliage, which I am sure is not excelled in this feature by that of any rose in the market, and, second, the very evident indications of the free blooming habit of the plants.

With these important characteristics I feel certain that the Belle Siebrecht will prove a valuable addition to our list of forcing roses.

With best wishes, I am

Yours truly,

S. C. NASH.

This Rose is not a mere SPORT, but is of a distinctly new strain, being a SEEDLING, the result of a cross between the grand old La France and that strong and vigorous Rose, Lady Mary Fitzwilliam. Many of the leading rose growers who have seen this Rose growing at our nurseries have ordered from 500 to 2000 Plants. Orders booked now and will be filled in strict rotation. Strong plants ready for delivery April 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

New York Office, 409 FIFTH AVE.

NEW ROCHELLE, N. Y., U. S. A.

NEW CHRYSANTHEMUMS for 1895.

DEAN HOLE—Very large incurved massive flower with broad petals of exquisite form; white with beautiful soft shade of pink on outside, with extra good stem and foliage. Certificate American Chrysanthemum Society in Philadelphia.

NEMESIS—Very early, almost identical in color to Daybreak caration, and an ideal flower; dwarf, sturdy grower.

OLYMPUS—Very bold, round flower, 7½ inches through by 7 inches deep; white with clear pink on outside of petals.

SUNRISE—By far the best very early red; very fine color and form; average 7 to 8 inches through with fine stem and handsome foliage.

TRIBBY—Very clear white, and superior to Niveus in every way. Very late and a good keeper.

ZULINDA—Very late silvery pink, of fine build with good stem and foliage.

Sunrise, \$3.50 per dozen; \$25 per 100.
Dean Hole, Nemesis, Olympus, Tribby, Zulinda, \$6 per dozen; \$35 per 100.

JOHN N. MAY, Summit, N. J.

Well Rooted Rose Cuttings of

MERMETS, BRIDES, PERLES, Etc., at \$15.00 per 1000.

2½-inch TEAS, at \$25.00 per 1000.

BRIDESMAIDS, at \$30.00 per 1000.

ANCHORAGE ROSE CO.,

ANCHORAGE, KY.

FOSTITE, A PERFECT

REMEDY to

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out.

Fostite, 25 lbs \$2.00. Bellows, \$3.50. Cash with order.

Sold by all dealers and by

C. H. JOOSTEN, 3 Centies Slip, New York.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

ROSES. ROSES.

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

PAINESVILLE, Lake Co., OHIO.

CATALOGUES AND PRICE LIST FREE.

BELLES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Rooted Cuttings. Cash with

ROSES

BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. order. Address for quotations.

VILLA LORRAINE ROSERIES, T. W. STEMLER, MADISON, N. J.

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Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

FLOWERS FROM PEORIA. We recently received a box of cut flowers from Chas. Loveridge, manager for J. C. Murray of Peoria, which reflected great credit on the grower, and would stand comparison with the majority of stock now coming in. Carnations were represented by Day-break, Wilder, Silver Spray and Tidal Wave, all very good, though Mr. Loveridge says the small size of Wilder injures its sale; the color, however, was excellent. Some Wootton roses, cut from two-year old plants, were fine, and the same may be said of some valley, Romans, and violets. Mr. Murray's establishment is not that of a specialist, but is devoted to a miscellaneous retail business.

A NEW YELLOW CARNATION.—We have received from Mr. A. Duebendorfer, Manchester, Vt., blooms of a yellow seedling carnation originating with him, and of which he asks our opinion. We think, candidly, that it possesses uncommon merit. The color is clear sulphur yellow without the slightest stain of red. The flower is of good size, with strong and perfect calyx, and the length and firmness of the stems recalls Tidal Wave. As far as we could judge from these blooms it was the best pure yellow carnation to date, and we anticipate a prominent place for it.

VIOLETS FROM COLORADO.—We received a fine bunch of violets from H. F. Winter, Colorado Springs; the flowers were very large and well colored, with good stems. Mr. Winter grows them in a cold frame and has been picking ever since October 10 with good prospects for a continued crop.

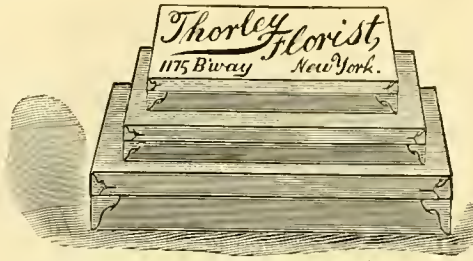
THE ANNUAL REPORT of the American Carnation Society, recently received, contains a full report of the meeting at Indianapolis, with the essays, discussions, and miscellaneous business. It does not contain a list of carnations.

Ellis & Pollworth,
WHOLESALE
CUT FLOWER GROWERS' AGENTS,

Dealers in Florists' Supplies—Wire Work.
Introducers of the new Scarlet Carnation "LIZZIE GILBERT." Send for prices.
386 Broadway, MILWAUKEE, WIS.
Box 75. Phone 1273.

BEAUTIFUL SOUTHERN GALAX LEAVES

For DECORATING and FLORISTS' USE.
BRILLIANT GREEN and BRONZE.
LARGE and SMALL SIZES.
A new heart shaped Evergreen leaf with long plant stems. Make up splendidly and sell well by the bunch at a large profit. Each size and color tied separately in bunches of 25 leaves. Will keep for months in cold storage or other cool places and are very popular wherever known. Write for price and sample by mail free to florists only.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.
Mention American Florist.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

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Hardy Cut Ferns,
BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.
SPHAGNUM MOSS IN ANY QUANTITY.

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FOLDING PAPER BOXES for CUT Flowers.

Made from Water-proofed, Double Manilla lined, Strawboard. Shipped flat, packed 100 in a crate.

CHICAGO FOLDING BOX CO.,
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WHOLESALE COMMISSION DEALERS IN

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Roses, Carnations, Chrysanthemums, Valley, Violets, etc.
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CARNATIONS ORCHIDS & ROSES**

Prices on application.
EDWIN LONSDALE,
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Tuberous Begonia Seed.

First Prize on plants and flowers, Mass. Hort. Society, Sept. 6 and 7.
Flowers 4 to 5 inches in diameter, white, yellow, pink and crimson of every possible shade and endless combinations of tints, penciled edges, etc. Carefully hybridized seed, separate colors or mixed, 500 seeds, 50c. LADY CAMPBELL VIOLET, from original stock, \$1.00 per 100; \$2.00 per 1000.
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TRY DREER'S GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
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Cycas Leaves. FRESH CUT each 75c.
VAUGHAN'S SEED STORE, P. O. Box 688, Chicago.

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Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

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4TH AND WALNUT STREETS,
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Asparagus Plumosus Nanus.
Cut Strings, 8 to 10 feet long,
50 CENTS.
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WHOLESALE CUT FLOWERS,
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WIRE DESIGNS.
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Wholesale Florist,
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A complete line of Wire Designs

The Boston Flower Market
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WHOLESALE CUT FLOWERS,
SEEDS, BULBS AND ALL
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 and **FLORISTS' SUPPLIES.**
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T. J. CORBREY,
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 64 & 66 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

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WHOLESALE CUT FLOWERS,
 34 & 36 Randolph Street,
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 PHONE MAIN 223.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 CHICAGO.
 Telephone Main 4937.

Our Roses best them all, in quality.
 Headquarters for fine American Beauties,

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL Co.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

WELCH BROS.,
Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

Michael A. Hart,
Wholesale Commission Florist.
 ALL STOCK IN FINEST GRADES.
 113 W. 30th St., NEW YORK.
 Telephone Call 1307 38th St.

Always mention the American Florist when writing to advertisers.

Wholesale Markets.

Cut Flowers.

NEW YORK, Feb. 5.

Roses, Bon Silene, Niphotos.....	2.00@3.00
" Perle.....	2.00@4.00
" Mermet, Hoste, Cusin.....	2.00@6.00
" Bride, Watteville, Bridesmaid.....	4.00@12.00
" La France.....	6.00@12.00
" Meteor.....	6.00@12.00
" Testout.....	6.00@10.00
" Beauty.....	5.00@75.00
" seconds.....	5.00@25.00
" Hybrids.....	10.00@25.00
Carnations.....	75@1.00
fancy.....	1.50@3.00
Violets.....	50@1.00
Valley.....	3.00@4.00
Narcissus.....	3.00@4.00
Tulips.....	2.00@4.00
Hyacinths.....	1.00@2.00
Harrisil Billes.....	8.00@16.00
Mignonette.....	6.00@25.00
Cattleyas.....	25.00@33.00
Cyripedums.....	12.00@17.00
Smilax.....	12.00@20.00

BOSTON Feb. 5.

Roses, extra selected.....	10.00@15.00
" Mermets, Brides.....	6.00@10.00
" Niphotos, Perle.....	4.00@6.00
" Bon silene, Gantier.....	2.00@3.00
" Bridesmaid, Testout.....	6.00@12.00
" Meteor.....	6.00@12.00
" Beauty.....	25.00@75.00
" Hybrids.....	15.00@30.00
Carnations.....	1.00@2.00
fancy.....	2.00@4.00
Valley.....	2.00@4.00
Hyacinths, freesia.....	1.00@2.00
Narcissus, single.....	2.00@3.00
double.....	3.00@4.00
Tulips.....	2.00@4.00
Harrisil, callas.....	10.00@12.00
Violets.....	50@75
Mignonette.....	2.00@6.00
Smilax.....	15.00@2.00

PHILADELPHIA Feb. 5.

Roses, small.....	4.00@5.00
" large teas.....	6.00@8.00
" extra select.....	10.00@15.00
" Beauties.....	55.00@50.00
" Brunners.....	50.00
Lalng.....	25.00
Carnations.....	1.50@2.00
extra.....	2.50@3.00
Asparagus.....	35.00@50.00
Violets, double.....	50@1.25
single, per 100 bunches.....	\$2.50@3.00
Valley.....	4.00
Cattleyas.....	40.00@50.00
Cyripedums.....	15.00@2.00
Smilax.....	15.00@18.00
Tulips.....	4.00@5.00

CHICAGO, Feb. 7.

Roses, Beauty, selected.....	25.00@50.00
" Testout, Bridesmaid, Meteor.....	6.00@8.00
" La France, Bride, Albany.....	6.00@8.00
" Mermets, Wootton.....	6.00@8.00
" Perle, Niphotos, Gantier.....	3.00@5.00
" Jacqs.....	15.00@18.00
Carnations, long common.....	2.00@2.50
" fancy.....	3.00@4.00
" short.....	1.00
Valley.....	4.00@5.00
Paper White, Romans, Freesia.....	3.00@4.00
Tulips.....	3.00@5.00
Duff alls.....	4.00@5.00
Dutch hyacinths.....	6.00@8.00
Harrisil.....	8.00@1.00
Callas.....	8.00@12.00
Violets.....	1.00@1.50
Smilax.....	15.00@18.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART,
Cut Flowers and Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

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 JOBBERS IN
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THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
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Testout,
 And all other desirable roses, grown especially for first-class trade.
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Roses Shipped to all points. Price list on application.

Edward C. Horan,
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Careful Shipping to all parts of the country.
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 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

FRANK MILLANG,
WHOLESALE FLORIST
 408 East 34th Street,
 Cut Flower Exchange, NEW YORK.
 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

BINGHAMTON, N. Y.—J. J. Bell, the seedsman of Flowers, N. Y., has moved his business to Ferry street in this town.

MEMPHIS, TENN., FEB. 5.—R. M. Craig & Co., dealers in seeds and agricultural implements, made a partial assignment to-day, naming L. McFarland as assignee. Their assets are estimated at \$100,000 and liabilities \$65,000, of which about \$14,000 is preferred. The creditors are, in the main, northern seed and agricultural implement houses. The firm has been in business thirty-five years. Bad collections are said to have been the cause of the assignment.

Catalogues Received.

Weeber & Don, New York, seeds, plants and bulbs; Johnson & Stokes, Philadelphia, seeds and plants; J. C. Vaughan, Chicago, seeds, plants and bulbs; Luther Burbank, Santa Rosa, Cal., fruit novelties; Vilmorin-Andrieux & Co., Paris, France, seeds, bulbs and plants; W. Baylor Hartland, Cork, Ireland, seeds, bulbs and plants; John Gardiner & Co., Philadelphia, seeds; Mrs. Theodosia B. Shepherd, Ventura, Cal., plants, seeds and bulbs; Vick & Hill, Rochester, N. Y., plants; J. J. Crusman, Clarksville, Tenn., plants; The Lovett Co., Little Rock, N. J., seeds, plants and nursery stock; D. Landreth & Sons, Philadelphia, seeds; Fisher & Aird, Ellis, Mass., carnations; V. Fournier, Mexico City, Mexican plants; The Good & Reese Co., Springfield O., plants and seeds; Griffith Turner & Co., Baltimore, seeds and implements; E. G. Hill & Co., Richmond, Ind., trade list plants.

MR. L. C. BOBBINK, of the Horticultural Company, of B. skoop, Holland, is in America stopping at the Meyers Hotel, Hoboken, N. J.

WE HAVE watched with interest the increasing use of the half tone engraving (such as used in the FLORIST) in illustrating catalogues. In many cases such engravings, owing generally to the necessity for cheap paper in catalogues, have not been very satisfactory though an occasional excellent one has shown the great value of the process. It requires a special combination of well etched plates, good paper, careful press-work and the right kind of ink to produce the right results. Messrs. Johnson & Stokes, Philadelphia, seem to have found the charmed combination and their 1895 catalogue attests the great value of such plates correctly used. It is a distinct advance in this line and we extend our congratulations.

NEW, RARE AND BEAUTIFUL PLANTS.

STROBILANTHES DYERIANUS This is the most valuable novelty which has been introduced for years. For bedding is superior to the finest colens. Withstands hot sun and dry weather better.

SPIREAE "Anthony Waterer" flowers rich crimson. Lord Penzance's New Hybrid Sweet Briar. **DELICARGOMMUS**—All the finest European novelties. **ORCHIDS**—A very extensive stock: East Indian, Mexican, Central and South American, etc.

RARE AND BEAUTIFUL EVERGREENS, Ornamental Trees Shrubs, etc. **P. PONIES**—A large collection of the finest in cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses, Clematis, etc. New and Standard Fruits, etc. Catalogues on application.

JOHN SAUL, WASHINGTON, D. C.

FOR THE SEED TRADE

ONION SETS, SWEET PEAS

Vaughan's Seed Store, New York: CHICAGO: 26 Barclay Street. 146-48 W. Washington St.

AND A GENERAL LINE OF FLOWER SEEDS, GARDEN TOOLS, ETC.

N. DAMES, OF THE FIRM

G. VAN DER HORST & CO.,

Wholesale Bulb Growers, HEEMSTEDE, HOLLAND,

Is at present making a tour of the United States. Up to April 15 all communications directed to G. van der Horst & Co. or N. Dames, care of Knauth, Nachod & Kuhne, 5 South William Street, New York, will have prompt and careful attention.

Mention American Florist.



HIGH GRADE Mixed and Seedling GLADIOLI

WORLD'S FAIR MEDAL

And Society of

AMERICAN FLORISTS'

CERTIFICATE OF MERIT.

Tell us what you want and we will give you prices.

GUSHMAN GLADIOLUS CO., EUCLID, OHIO.

Cox Seed & Plant Co.

SAN FRANCISCO, CAL.,

Seed Growers AND NURSERYMEN.

Contract Price List on application. . . .

Florists' Seeds

in the choicest strains, and Spring bulbs quoted in our new Trade List for 1895, now ready and mailed free on application.

Address August Rölker & Sons, P. O. Station E, NEW YORK.



Gardiner's Celebrated English

Mushroom Spawn.

Fresh and Reliable.

\$7 per 100 lbs.

Special price on larger quantities.

John Gardiner & Co., Philadelphia, Pa.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER, QUEDLINBURG, GERMANY.

CHOICE

FLOWER SEEDS FOR FLORISTS

Our Specialty.

Fresh seed just arrived. New crop Sweet Peas just received.

Price List for florists free on application.

HERRMANN'S SEED STORE,

413 EAST 34TH STREET,

Near Long Island Ferry, NEW YORK.



FROM JAPAN.—Bulbs, Seeds, Trees, Palms, Etc.

FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.

FROM CALIFORNIA.—Bulbs, Seeds, Trees, Etc.

Orders booked up to Dec. 1 for Cereus Revoluta Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,

(Established 1878) SAN FRANCISCO, CAL.

Oldest and most reliable Import house.

BULBS.

Hulsebosch Bros.

ENGLEWOOD, N. J.

SELL ALL KINDS CHEAP.

Mention American Florist

SEEDS

Of all kinds, true to name and fresh.

Jos. F. Dickmann,

1110 N. Third St., and Gravois and Oregon Ave., St. Louis, Mo. Send for my New Catalogue, FREE.

SOMETHING OF INTEREST

TO

Market Gardeners and Truckers

to be had for the asking. Write now for it.

Address JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., Philadelphia, Pa.

Jno. F. Croom & Bro., WHOLESALE

Tuberose & Caladium Growers

MAGNOLIA, N. C.

Jobbers only please correspond with us in regard to contracts. Prices right.

VERBENAS. Good assortment. Clean and healthy.

STOCK PLANTS\$3 00 per 100; \$25 00 per 1000

ROOTED CUTTINGS\$0 00 " 5 00 "

CARNACTIONS—Rooted Cuttings of leading kinds, \$2.50 to \$5 00 per 100; \$20 and \$25 per 1000.

VIOLETS—Marie Louise, strong from 2-inch pots, no disease, \$4.00 per 100. Terms cash

JOSEPH HEINL, JACKSONVILLE, ILL.

The "Black Calla."

Can you tell me how to make the black calla bloom? I rest in summer and every winter it makes a good show and forms offsets but never blooms. J. F. H.

To get *Arum sanctum* to bloom it is necessary to secure good bulbs, which should be planted in a rich soil. As soon as they root through repot them into larger pots, just deep enough so that the top of the bulb is well covered with soil; keep them well watered, as this prevents off-roots. If a bulb has once given off-shoots it is of no use to trouble any more with the old bulb. Keep in a warm house, where there is plenty of light. Black callas treated in this way have always given me best results.

LUDWIG SCHILLER.

BUSINESS TROUBLES. The executors of the late E. E. Eggert of New Britain, Conn., are asking concessions from his creditors in settling up the estate. McClunie Bros. of Hartford, Conn., are asking their creditors to compromise on a basis of 25 cents. Geo. W. Marshall of Everett, Mass., is endeavoring to effect a similar settlement.

H. H. L.—New methods of propagation have been patented, and we see no reason why you should not be able to obtain a patent for yours if of a character that can be protected by patent. This could be determined only by making application for a patent and having the system passed upon by the official examiners.

As to Price.

"Though it is not the season
When in this rigorous climate,
The roses flourish just the same
They have a high old time."
—*Detroit Free Press.*
By the dozen?—*New York World.*

WHenever you want anything pertaining to the trade, and do not find it offered in our advertising columns, write to us and we will take pleasure in assisting you to find what you want.

W. A. MANDA,

MERCHANT, GROWER, IMPORTER & EXPORTER OF

FLORISTS' Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment. SOUTH ORANGE, N. J.

Tuberous Begonias

(Griffin's Strain)

Medal awarded World's Fair. Finest strain in the world. SEED, choicest single & double 50c & \$1 each trade pkt. BULBS, single varieties, from \$1.00 per 100, double " " 10.00 per 100. Special price on large quantities. Send for Descriptive Illustrated Catalogue.

OASIS NURSERY CO., Woodbury Station, L. I., N. Y.

Marie Louise Violets. ROOTED RUNNERS.

Healthy, strong plants. BETTER can not be had anywhere.

ANDREW WASHBURN & SON, BLOOMINGTON, ILL.

VERBENA SEED.

This improved strain of Mammoth Verbenas gives perfect satisfaction to my many customers, and is justly claimed the finest in cultivation; flowers an inch in diameter in extra large trusses, of finest colors. Each per trade pkt 25c; 3 pkts. 60c; 6 pkts. \$1.00. I will here thank my florist friends for the many letters of commendation received during the past year. JOHN F. RUPP, Shiremanstown, Pa.

BURPEE'S SEEDS ARE THE BEST

For Florists and Market Gardeners.

WARRANTED;—"Few Equal—None Better."

Special Wholesale Price List mailed Free on application, together with "A BRIGHT BOOK ABOUT SEEDS," novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

YOURS FOR A GOOD HARVEST
If you plant Gregory's Seeds. These Seeds, famous through many years, have turned the tide of success toward a great many sowers. Perhaps they are all that you lack. The whole story about
GREGORY'S SEEDS
Is told in Gregory's Catalogue for 1895—a book that helps solve all the problems of planting; sets you right when in doubt; gives in detail the best farming knowledge right up to date. It's free. Ask for it.
J. J. H. GREGORY & SON, Seed Growers, Marblehead, Mass.

OFFICE OF
G. C. WATSON,
1025 Arch St., Philadelphia.

FEB 7th, 1895.

Gentlemen:—My new consignment of Clay's London Fertilizer, 1894 make, fresh and strong, has now arrived, and I can fill all orders on shortest notice. If you have never used this Fertilizer, I solicit a trial order. Once used you will never be without it. Famous the world over. Entirely different from all chemical manures being composed of concentrated animal matter and prepared expressly to promote the growth and beauty of plants, and containing all the necessary elements for their healthy and perfect development. 112 pound bags \$6.00. Yours for better blossoms and more of them.

G. C. WATSON.

CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established

Lil. Auratum, Spec. Rubrum and Album, Etc. Iris Kæmpferi, in 100 choice varieties. Japanese Maples, in best varieties. Camellias, Pæonies, Tree Ferns, Raphis, Etc. Araucaria excelsa, choice cultivated stock at lowest prices

For general Japanese stock apply to
F. Gonzalez & Co.,
303 to 312 Wayne St., SAN FRANCISCO, CAL.

Michel Plant and Bulb Co.,
WHOLESALE FLORISTS,
ST. LOUIS, MO.

WE SELL SEEDS
Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices
WEEBER & DON,
Seed Merchants and Growers.
114 Chambers Street, NEW YORK.

NOW is the time to plant VERBENA SEEDS

The progressive kind will meet your needs, And make a grand sensation; 'Tis the kind that spans the silver hair And makes progressive Florists laugh, And saves them much vexation.

New crop now ready. None but the best XXX seed offered. Will produce some grand novelties. We've had florets 1 1/4 inches across. First Premium at Mt. Holly Fair this year. 3/4 oz 60c; 1/4 oz \$1; 1 lb. pkt. 10c.

Hand hybridized Double Petunias, Dreer's; none better. 500 seeds 6c; 1000 seeds \$1.00.

Single fringed, Dreer's and California Giant bleeded, saved from the most magnificent showy varieties in cultivation. 500 seeds 30c; 1000 seeds 50c.

Dwarf French Gold striped Marigold, makes nice pot plants for spring sales. Trade pkt. 25c.

Dwarf Marguerite Carnation, all saved from fine double flowers. Trade pkt. 25c. Lots of other good things. Novelty price list, free to all.

Cash with order please Address
J. C. GIBSON, WOODBURY, N. J.



New Catalogue (No. 4) containing over 1,000 Ornamental Cuts for Florist's use, such as envelopes, letter heads, bill-heads, cards, advers., floral designs, etc., at from 30c. and upwards. Price of Catalogue 25 cts. (deducted from \$1 order).

A. BLANC,
Engraver for Florists,
PHILADELPHIA, PA.

PALMS.

150,000 of all the leading varieties.

FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**
1708 N. Halsted St., CHICAGO.

SEEDS
Write for Trade List of best imported and domestic Flower and Vegetable Seeds.
The imported seeds have been personally selected during our trip in Europe.
CHAS. SCHWAKE,
404 E. 34th St., New York.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

New Notes.

CUMBERLAND HILL, R. I.—Alonzo Vose has just completed a 100-foot greenhouse.

CHFFSTER, PA.—Shaw Bros. intend to add three new houses, one 18x50 and two 10x50 each.

TIDIOUTE, PA.—E. G. Shearman has built a greenhouse 14x60, and proposes to engage in the florist business here.

SPRINGFIELD, O.—It is rumored that a new florist concern will soon start here on a very large scale, with a capital of \$100,000.

ALBANY, N. Y.—The firm of Eyres & Goldring has been dissolved by mutual consent. Mr. H. G. Eyres will continue the business.

CRANSTON, R. I.—James A. Budlong, the pioneer market gardener on a large scale in New England, died January 26, aged 72 years.

WATERBURY, CONN.—A boiler in the greenhouse of W. J. Snow exploded on the night of February 3, causing a heavy loss, but fortunately injuring nobody.

GRAND RAPIDS, MICH.—F. M. Strong has sold his interest in the Grand Rapids Floral Co. to Hannah & Cunningham who will continue the business under the old title.

ELGIN, ILL.—The Elgin Nursery, Seed and Bulb Company has been incorporated. Capital \$10,000. Incorporators: David Hill, George Souster and Frank Harvey.

ERIE, PA.—The title of the Schluraff Floral and Seed Co. has been changed to Schluraff Floral Co., the seed department having been sold to Mr. E. Neuberger of this city.

ROCHESTER, N. Y.—Mr. Robt. C. Brown, of the firm of Brown Bros., nurserymen, was married on January 23 to Miss Helen Mae French. The bouquets were violets for the bride, and white and pink roses for the bridesmaids.

LENOX, MASS.—The members of the Lenox Horticultural Society feel very proud over the success and popularity of their first ball, and are unanimous that an annual ball will hereafter be a prominent feature with the society. This society was organized on January 29, 1894, by twelve gardeners, since which time it has grown to a membership of 90, with a very flourishing treasury.

ALL THE NEW AND TESTED CARNATIONS OUR SPECIALTY. Send for price list and estimates on large quantities. Large stock of WM. SCOTT, FISHER & AIRD, ELLIS, NORFOLK CO., MASS.

ROOTED CUTTINGS. Good Ones. Verbenas, 23 varieties, 80c. per 100; \$7.00 per 1000. Heliotropes, Fuchsias and Mums, per doz. 20c. New Giant Alyssum and Lopezia, 2c. Cuphea Lavie and Clear Plant, 2c. Salvia and Marguerite, 2c. Mexican Primroses and Ageratum, 2c. Celcius, per 100 75c. Postage 1c. doz. Cash with order. Send for catalogue. I. L. Pillsbury, Galesburg, Ill

Please mention the American Florist every time you write any of the advertisers on this page.

CARNATIONS.

I OFFER TO THE WHOLESALE TRADE A SEEDLING WHITE The choice from over 400 varieties after three years' trial.

KOHINOOR (Mountain of Light)

It is the best white I have ever grown. Plants robust, stems long, stiff and erect, flowers full, deeply fringed and extremely attractive, measuring 2 3/4 to 3 inches across without any forcing or disbudding. Comes quickly into BLOOM and CONTINUES PROLIFIC THROUGHOUT THE SEASON.

Flowers 2 3/4 to 3 inches across, on stiff erect stems 2 1/2 to 3 feet long, of the habit of McGowan but much more prolific, a striking and attractive shade of pure purple, a novelty in color, very taking, and entirely distinct from the purple maroons and so called purples. Price on the above varieties, \$12.00 per 100; \$100. per 1000.

My stock of Standard and New varieties has never been better than at present, and includes: Sweetbrier, Thos. Cartledge, All at moderate prices, with regular discounts. Stuart, Caesar, I grow nothing but Carnations, and EXCLUSIVELY for Wm. Scott, Brutus, Cuttings and Plants. My stock is rooted cool and is Daybreak, Anna Webb, unusually healthy and vigorous. Buttercup, Ferd. Mangold, Inspection and correspondence solicited. Blizzard, Mrs. Fisher, Price List on application.

THE PINES.

C. J. PENNOCK, KENNETT SQUARE, PA. Chester Co.

TWO POINTS

FOR CARNATION BUYERS.

GET THE BEST.—Here's a quartette of money-makers: WM. SCOTT, finest pink of solid color, and most profitable; ALBERTINI, unapproachable in form, hue, size and texture; DAYBREAK, unrivalled in its delicate flesh tones; MCGOWAN, the white of whites, and the most productive.

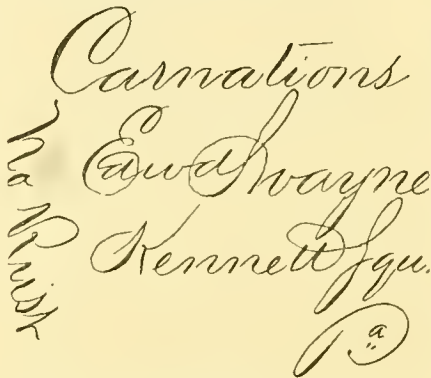
GET THEM GOOD.

We grow them cool, root them cool, and take our cuttings from blooming stems only, carefully selected, carefully rooted, and carefully packed for shipment. Our stock is in fine health and vigor.

Our prices are \$3.00 per 100 for Scott and Albertini; \$2.50 for Daybreak, and \$2.00 for McGowan. For quantities above 500, write us. Terms cash.

ALEX. McBRIDE,

ALPLAUS, N. Y.



NEW.

OPHELIA.—A fine large flower a little darker than Scott's Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last winter excepting at Christmas when they reached \$5.00. Rooted cuttings \$4.00 per 100; \$39.00 per 1000.

ELDORADO.—(Sheldahl). Introducer's description and stock. A yellow of free blooming habit and the other necessary qualities of a good carnation has long been a desideratum. In Eldorado we have a strong vigorous plant healthy foliage and finely formed flowers. The cuttings are easy to root and the plant is very prolific in both blooms and cuttings. Light yellow or, perhaps, nearer a buff, and free from all white markings. Petals edged with a narrow band of light pink, being almost a plectee in marking. The flowers look yellow by artificial light and not white, as many yellows do. \$2 per dozen; \$12 per 100; \$100 per 1000.

KOHINOOR.—(mountain of light)(Peacock). Introducer's description and stock. The choice of over 400 varieties after 3 years' trial. It is the best white I have ever grown. Plants robust, stems long, stiff and erect. Flowers full, deeply fringed, occasionally touched with pink blue, and extremely attractive, measuring 2 3/4 to 3 inches across without any forcing or disbudding. Comes quickly with bloom and continues prolific throughout the season.

STANDARD.

Table with 3 columns: Variety, 100, 1000. Includes Sweetbrier, Helen Keller, Uncle John, Stuart, Buttercup, Scott, Daybreak, Cartledge, Portia, McGowan, Fisher (from soil for Summer).

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

Walter R. Cliffe, of Germantown, Pa. has been the first in this locality to appreciate the virtues of Swainsona Gleditsia Aha. He has an entire house of it and the beautiful per like blossoms backed by its feathery plume to large, have, he claims, sold him better than anything else he has grown this winter. We are enabled to offer his stock at \$1.00 per 100; \$5.00 per 1000 for rooted cuttings; \$6.00 per 100 2 1/2 pots. Ready Feb. 15th.

PALMS ARE INCREASING IN FAVOR with the people but they need coaxing to buy. Our prices are so coaxing so yours can be. Send us \$3 for 1 1/2 & 4-in., or \$5 for 30 of assorted varieties such as Latania, Kentia, Elvagan, Exceles, etc. Shipped safely now. Catalogue free. WILLIAMS & SONS CO., Batavia, Ill.

NEW CARNATIONS.

Table with 3 columns: Variety, per 100, per 1000. Includes BRIDESMAID, METEOR, STORM KING, Ready April 1st, 1895.

Table with 3 columns: Variety, 5.00, 40.00. Includes UNCLE JOHN, THE STUART, E. A. WOOD, GOLDFINCH, WM. SCOTT, DIAZ ALBERTINI, DAYBREAK.

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100. Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON, LaFayette, Ind.

CARNATIONS

READY NOW.

Rooted Cuttings.—20,000 Daybreak; 50,000 more March 1st. Other varieties in proportion—McGowan, Mrs. Fisher, Helen Keller, Sweetbrier, Stuart, Buttercup, Iago, Scott, Albertini, Cartledge, Aurora, Portia, Dorner and others.

Write for prices, stating how many you will want of each variety. The price will be reasonable and the stock warranted well rooted and healthy, with the privilege of not accepting it if found otherwise.

A few Lancaster Beauty Verbena ready at \$2.00 per 100. This is a real good thing and a money maker.

ALBERT M. HERR, L. B. 496. LANCASTER, PA.

CARNATIONS.

Healthy, well-rooted Cuttings now ready.

Table with 3 columns: Variety, Cash with order, Per 100, Per 1000. Includes Daybreak, Tidal Wave, Wm. Scott, Mme. Diaz Albertini, Reynolds, McGowan, Puritani, Portia, G. Wilder, S. Spray, White Wings, Helen Keller, Bouton d'Or.

A. T. JACKSON, Station X, Bowmanville, Ill.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

WANTED!

A good, free blooming, healthy, vigorous **Yellow Carnation**. Flowers must be perfect, of fair size and borne on long, stiff stems. There must be plenty of pips, and these easily rooted.

AND HERE IT IS—Any one of the following will fill the bill:

ELDORADO—Pure yellow ground edged with light pink. Picotee marking.

KITTY CLOVER—Light yellow striped red with a little white.

EULALIE—Yellow ground penciled with pink.

We also offer this year

PRINCESS BONNIE—A beautiful pink variegated flower of large size; and
DAISY BELL—A white, variegated similar to Chester Pride, but very much larger flower.

Send for general price list of both Carnations and Coleus.

W. R. SHELMIRE,
AVONDALE, Chester Co., PA.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

CARNATIONS—ROOTED CUTTINGS

\$9.00 to \$25.00 per 1000.

COLEUS—Rooted Cuttings, 75 varieties, my selections, in 40 or 50 varieties, \$4.50 per 1000, by express; 70c. per 100 by mail.

GIANT DOUBLE ALYSSUM, 70c. per 100; \$6.00 per 1000.

LADY CAMPBELL VIOLET, \$1.25 per 100; \$10.00 per 1000.

NO RUST. NO FUNGUS. NO MEALY BUG.
WM. H. SEARCH, Avondale, Chester Co., PA.

Carnation Mrs. Fisher

IMPROVED.

Strong Rooted Cuttings, free from disease, \$2.00 per 100; \$15.00 per 1000.

CHARLES EVERDING, Branford, Conn.

Carnations. NOW READY.

WM. SCOTT, from sand.....\$3 per 100; \$25 per 1000
LIZZIE MCGOWAN, from sand..... 2.50 " 20 "

The above varieties are from "specially selected stock." Do not be misled by cheap offers. Poor stock is dear at any price. Plants from soil will be ready February 15th.

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FLORAL PARK, N. Y.

PLEASE SEND CASH WITH ORDER.

"THE CARNATIONS."

WM. SCOTT, Rooted Cuttings.....	Per 100	Per 1000	DAYBREAK, Rooted Cuttings.....	Per 100	Per 1000
LIZZIE MCGOWAN, Rooted Cuttings.....	2.50	20.00	ALBERTINE, Rooted Cuttings.....	3.00	25.00
TIDAL WAVE, Rooted Cuttings.....	2.50	20.00	BOUFON D'OR, Rooted Cuttings.....	8.00	70.00

Wm. Scott and Lizzie McGowan now ready, in any quantity, from "choicest stock."

Cash with all orders.

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THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free	12.00	100.00
ROSE QUEEN—New, fine commercial pink	10.00	75.00
CORSAIR—The scarlet McGowan	10.00	75.00
ALASKA—New, white, large, productive	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet	10.00	80.00
WM. SCOTT—Clear pink, very free	3.00	25.00
GOLDFINCH—The best yellow	5.00	40.00
DAYBREAK—Light pink, fine	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATIONS

Healthy well rooted cuttings now ready.

Wm. Scott and Mme Diaz Albertine	\$2.50	\$20.00
Daybreak and Tidal Wave	2.00	15.00
Lizzie McGowan, Wilder and Portia	1.50	10.00
Buttercup	3.50	30.00

Cash with order. 10c. per 100 extra when shipped by mail.

FERNS—Choice varieties, from 2-in. pots \$3.00 per 100
PETUNIAS—Double Fringed, choice varieties, from 2½-inch pots..... 3.00 per 100

GERANIUMS—Fine Double and Single varieties, from 2½ inch pots..... 3.50 per 100

Cash with order. Price list on application.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.

Good, healthy stock, well rooted, ready by January 1st, 1895.

Rooted Cuttings **GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC.** Write for price list.

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CARNATIONS

HELEN KELLER, rooted cuttings.....	\$4.00	\$35.00
Out of 2½-inch pots	7.00	
Rooted cuttings of the following varieties	2.50	20.00
Daybreak, Silver Spray, Edins. Crslg, Lizzie McGowan, Tidal Wave and Portia.		

Also a full line of Florists Seed, all imported, at low prices. Terms Cash with order.

E. HIPPARD, Youngstown, O.

Garnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.

CARNATIONS.

Rooted Cuttings. No disease. Stock true to name. Sample Free.		
Daybreak, Tidal Wave.....	\$2.00 per 100; \$16.00 per 1000	
Silver Spray, McGowan.....	1.75 per 100; 12.00 per 1000	
Helen Keller.....	6.00 per 100; 50.00 per 1000	

—READY NOW.—
LAKE GENEVA FLORAL CO.,
LAKE GENEVA, WIS.

I DON'T THINK.

On this subject, it requires only an ordinary ganglion to disclose the fact that **CARNATIONS** make stronger, healthier stock when grown cool—on ground beds—and in a new house.

This I have never visited us (barring Mr. David Rust of the "Exchange"), and clean, vigorous stock of the following list will be at your disposal on and after Feb. 1st, 1895.

Per 100	Per 1000
Oshella, new, large, medium pink.....	\$10.00 \$80.00
Sweetbrier, pink.....	5.00 45.00
Wm. Scott, pink.....	3.00 25.00
Daybreak pink.....	2.50 20.00
Thos. Cartledge, carnine, scarlet at night.....	2.00 15.00
Puritan, white.....	2.00 15.00
Lamborn, white.....	2.00 15.00
McGowan, white.....	1.50 12.50
Mrs. Fisher, white.....	1.50 12.50
Portia, scarlet.....	1.50 12.50

Other standard varieties if desired.
Excellent stock of Lady Campbell Violets now ready.
"THE SLOPE," C. S. SWAYNE,
KENNETT SQUARE, Chester Co., PA.

CARNATIONS.

NOW READY.

	Sand	2-inch Pots.
Helen Keller, Ada Byron.....	\$4.50	\$40.00
Adelaide Kresken, Jacqueminot.....	4.50	6.00
Buttercup, Daybreak.....	2.00	4.00
McGowan, Portia, Wilder.....	1.50	2.50

ROSES, READY FEB. 15.

Bride, Meteor.....	3.00
Bridesmaid, Perle.....	3.00

Healthy stock. Special 1000 rates.
Ferns on application—flats, 2-inch pots, etc.
GENSTAS, 2-inch pots.....\$6.00 per 100
LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES,
GLENDSIDE, PENNA.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no **Rust**. Also rooted Mums, Lady Campbell Violets.

Send for Price List.

Wm. Swayne,
P. O. Box 226. KENNETT SQUARE, PA.

CARNATIONS & VIOLETS

	Per 100	Per 1000
5000 DAYBREAK.....	\$4.00	\$15.00
5000 SILVER SPRAY.....	10.00	10.00
5000 LIZZIE MCGOWAN.....	12.50	12.50
LADY CAMPBELL VIOLETS, well rooted runners.....	10.00	10.00

Immediate delivery for cash.
JOSEPH RENARD, Unionville, Chester Co., Pa.

Rooted Cuttings.

CHRYSANTHEMUMS.	Per 100
Last year's novelties.....	\$5.00
Finest standard sorts.....	\$2.00 to 3.00

CARNATIONS.	
Silver Spray, McGowan, Wilder, Portia, Tidal Wave, Daybreak.....	2.00
Wm. Scott, Albertini, Sturt.....	3.00

BROWN & CANFIELD, Springfield, Ill.

Carnation Cuttings

	Per 100	Per 1000
EDNA CRAIG.....	\$3.00	\$25.00
DAYBREAK, TIDAL WAVE.....	2.50	20.00
GRACE WILDER, SILVER SPRAY.....	1.50	12.50
MCGOWAN, HECTOR.....	2.00	15.00
SWEETBRIER.....	5.00	40.00

Grown cool, and only healthy, selected stock taken.
BELL MILLER, Springfield, Ill.

Cincinnati.

Since last week we have been treated to a taste of genuine winter weather, the mercury reaching to 1 above zero. The effect of the cold wave is seen in the market, violets being unattainable, the growers being unable to get at their frames, and to make matters worse, there seems to be a run on violets. The cold weather has shortened up the supply of roses, which are already off crop and rather scarce, and has caused stock sent in to go with a celerity. Carnations are not plentiful; and are going well. Daybreak and Scott sell at \$2 and \$2.50, with some extra blooms at \$3. These two varieties are about the only fancies coming in. Scarlets are not plentiful, and what are sent in are of poor quality. In bulb stock Romans are as dull and plentiful as ever. Roses are scarce, particularly first-class grades.

Mr. T. Jackson has returned from New York after a stay of over a month. P.

Springfield, Mass.

An interesting meeting of the Amateur Horticultural Society was held February 1, when Dr. Swazey read a very practical paper on "Elms." D. A. White read a brief paper on roses, and closed his remarks with a general review of the work of the society during the past year and the outlook for 1895.

The Holyoke Horticultural Society held its annual meeting February 1, and elected the following officers: President, Rev. E. A. Reed; vice-president, Mrs. C. W. Ranlet; secretary, G. R. Hicks; treasurer, C. E. Mackintosh. The society has 335 members and a balance in the treasury of \$121. Three exhibitions have been held during the past year, all of which have been successful. F. W. J.

Louisville, Ky.

The Kentucky Society of Florists have determined to give a spring exhibition for two days in the first week of April, at which time the society will also give small chrysanthemum plants to children wishing to cultivate same for competition at our next chrysanthemum exhibition. By this means the society expects to make friends and associate members. N.

"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots, \$8.00 per 100.

CHRYSANTHEMUM

GEO. S. CONOVER, the best EARLY BLOOMING large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$8.00 per 1000.

HYDRANGEAS, GENISTA CANARIENSIS and AZALEAS for Easter blooming. Prices on application.

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Ampelopsis Veitchii.

5 to 7 feet.....\$8.00 per 100
4 to 5 feet..... 6.00 per 100
1 to 2 feet..... 3.00 per 100

CHARLES X LILAC, grown less than two feet high, from three to five branches, all well budded, at \$25.00 per hundred.

Klehm's Nurseries, Arlington Heights, Ill.

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Swainsona Galegifolia Alba.

We have the largest stock in the States of this plant, and are prepared to supply 100,000 rooted cuttings on or after March 1.

PRICE, \$4 per 100, or \$35 per 1000. 2-inch, \$6 per 100; 3-inch, \$8 per 100; 4-inch, \$10 per 100.

WRITE US FOR TESTIMONIALS, AND OUR SPECIAL RATES FOR 1000 LOTS

WALTER R. CLIFFE,

Main and Johnson Streets, GERMANTOWN, PHILA., PA.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

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This is splendid stock. Most of it has been transplanted into soil. Order now and get the cream, as this ad. will be closed in a few days. Per 100
Alyssum, plant double; Helltrope, purple..... \$1.00
Marguerite (Paris Daisy)..... 1.50
Achyranthes, yellow and red..... 1.00
Double Petunias 8 fine varieties..... 1.00
Ivy Geranium, pink and white..... 1.25
Fuchsia mixed, best doubles and singles..... 1.00
Ageratum dwarf blue and white..... .80
Verbena, 12 grand varieties..... .80
Feverfew "Little Gem"..... 1.50
Pilea (Artillery Plant)..... 1.00
Carotation Daybreak..... 1.75
Carnations, Lizzie McGowan and Silver Spray..... 1.25
Geranium, sweet scented, 8 kinds..... 1.25
Geraniums, best double and single mixed, scarlets predominating..... 1.25
Chrysanthemums, Florists' Collection of 20 standard kinds, including early and late varieties, one plant of each for 60c.

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Geraniums, best double and single, my selection, labeled, 2 1/2 inch..... 2.50
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Geranium Madame Sallerot, 2 inch..... 2.00
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Twelve cuttings or plants at 100 rate, but no order filled for less than 60c.

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West End Greenhouses, Mt. Pleasant, Iowa.

DON'T FORGET

That we are the headquarters for Coleus, and the originators of the Golden Queen Coleus, the only all round good yellow coleus.

Per 100 Per 1000
Golden Queen & C. Verschaffeltii, rooted cuttings..... .75 \$ 6.00
Coleus in variety..... .60 5.00
Geraniums in flats..... 1.75 15.00
Geranium Mme. Sallerot..... 1.25 10.00
Geranium, Rose..... 1.75 10.00
Feverfew..... 1.25 10.00
Ageratum, blue and white Tom Thumb..... .75
Salvia..... 1.00
Helltrope, four varieties..... 1.00
Petunias, Dreer's strain..... 1.50
Vines, variegated and green..... 1.50
Alternanthera..... .50
Cash must accompany all orders.

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Rooted Cuttings.

VERBENA—A large collection of fine bright colors, all robust growers, at \$7.50 per 1000.

COLEUS—Twenty best bedders, plenty of red and yellow, \$6.00 per 1000.

CANNA—Mme. Crozy, strong bulbs, at \$6.00 per 100.

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ROSES, GERANIUMS, BEGONIAS, MUMS, CARNATIONS, and

A complete general line of stock.

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Chrysanthemums.

... Rooted Cuttings.

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CASH WITH ORDER.

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Rooted Cuttings.

Per 100
GERANIUMS, single and double mixed..... \$1.00
CUPHEA..... .75
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VERBENAS..... .60
HELLOTROPE, from 2-inch pots..... 1.50
GERANIUM Mme. Sallerot, from 2-inch pots..... 1.50
CASH WITH ORDER.

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The Best and Largest Stock in the World. New & Rare Foliage & Flowering Plants.

A grand selection for Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England.

Coleus.

As fine a collection as can be found in the country.

ROOTED CUTTINGS GIANT DOUBLE ALYSSUM, &c. Send for list of prices of Coleus and Carnations.

W. R. SHELMBRE, AVONDALE, Chester Co., PA.

ROOTED CUTTINGS CHRYSANTHEMUMS

All the best new market sorts, 60 per doz.; \$4 per 100. Best market sorts of previous years, 50c per doz.; \$2 per 100. Ready for delivery Feb. 1st. Also CYCLAMEN persicum elegantum, 3 1/2-in. \$6.00 per 100. GENISTAS, 5-inch pots, fine plants, \$12 to \$15 per 100. SMILAX, 2 1/2-inch pots, \$2.00 per 100; \$15.00 per 1000. Address J. G. BURKOW, Fishkill, N. Y.

New Fuchsia LITTLE BEAUTY. 50,000

The best marketing variety ever introduced, comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$3.50 per 100. BEGONIA Cuba, from 2 1/2-in. pots, \$3 per 100. GERANIUMS, Marshal Metahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$1.25 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist, 4010 Butler Street, Pittsburgh, Pa.

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Begonias, 20 varieties.....	\$4.00 & \$6.00
" Rex, good assortment.....	6.00 & 8.00
" Mantata nana.....	3.00 & 4.00
Fuchsias, best varieties.....	3.00 & 4.00
Heliotropes, 10 kinds.....	3.00 & 4.00
Croton Maculatum, strong plants.....	8.00
Crotons, assorted, strong plants.....	8.00
Plumbagoes, Lady Lepent's, Capensis and Capensis alba.....	4.00
Hibiscus, double and single.....	4.00
Geraniums, double and single, bronze and silver.....	3.00 & 4.00
Abutilons, assorted.....	4.00

Rooted Cuttings.

Heliotrope, best new and old.....	1.00
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Alternantheras, 4 kinds.....	.50
Begonia.....	1.50
Geraniums, bronze and silver.....	1.50
Ageratum, Brighton Beauty.....	1.00
Ageratum, White Cap and Cape's Pet.....	.75

Cash with order. If to be sent by mail, add for postage 10c. per 100 for Alternantheras; 20c. per 100 for Coleus, Heliotropes, Fuchsias and Ageratums; 30c. per 100 for Begonias and Geraniums.

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Millbrook Lea GREENHOUSES,

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SPRING TRADE 1895 PRICE LIST.

CARNATIONS,	SWEET ALYSSUM,
VIOLETS,	FUCHSIAS,
PETUNIAS,	COLEUS.
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J. L. MAULL, Proprietor.
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Pansy Plants.

EXTRA FINE STRAIN.

75 cents per hundred; \$5.00 per thousand.

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MARIE LOUISE VIOLETS.

Large cut blooms with long stems and nice foliage, bunched, \$1.00 per 100; \$8.00 per 1000. Cash with order.

ROBERT MANN, Lansing, Mich.

HOLMESBURG, PA., Feb. 2, 1895.
Messrs. PITCHER & MANDA, Short Hills, N. J.

Gentlemen:—Last year I came into possession of 25 plants of the California Violet and planted them for trial. I am pleased to say that they have been a great success with me. I have grown them exactly the same as Marie Louise and Russian, at a temperature of 35° to 40°, and have found them far more profitable. They began blooming in September and have bloomed profusely ever since, and the plants are now heavily set with flowers and buds, with every indication that the blooming will continue through the spring. They are strong, vigorous growers, making plants 10 or 12 inches in diameter and about the same in height, without any sign of disease. The flowers are large, often attaining the size of a silver dollar, borne on erect stems 10 inches and upwards long. The Violets have a delightful fragrance.

From my experience with this Violet I should say they grow equally as well here as they do in California, and are destined to be grown in immense quantities.

Very truly yours,
RODMAN M. EISENHART.

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**THE CULTIVATION OF THE ROSE,
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And other Flowering Plants for

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New Chrysanthemum, PHILADELPHIA.

The great prize winner. Orders booked now for delivery March 15th.
50 cents each; \$6.00 per dozen; \$35.00 per 100.

NEW CARNATIONS
UNCLE JOHN, white; THE STUART, scarlet. SWEETBRIER, pink; SAMBO, crimson; \$1.00 per dozen; \$5.00 per 100. EDNA CRAIG, WM. SCOTT, 40c. per dozen; \$3.00 per 100.

NEW YELLOW DAISY (Fleur d'Or), plants from 3-inch pots, \$1.00 per dozen; \$6.00 per 100.

Wholesale Price List of new and rare plants sent on application.

SWAINSONA GALLIGIFOLIA ALBA, from 2½-in. pots, 75c. per doz., \$3.00 per 100.

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\$4.98

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Send a check (money order will do), say what you want on the goods, and they will go forward to you promptly by freight, unless otherwise ordered.

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NURSERYMEN
A GENERAL ASSORTMENT OF
FRUIT TREE STOCK, MAHARIB CHERRY,
SUCH AS APPLE, PEAR, MAIZARD, SMALL TREES,
MYROBOLAN PLUM, MAZZARD, FOREST ORNAMENTAL,
SHRUBS, ROSES, ETC.
THE LARGEST STOCK OF CUTTING PLANTS EVER FOR SALE IN THE EAST
C. C. ABEL & CO. HO. B. & S. 321, N. York

Clematis Jackmanni.

One year, nice dormant stock, for potting up for Spring sales, \$2.00 per dozen; \$12.00 per 100. All home grown.

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THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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"They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill.

"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.



Kills Mildew and Fungus Growth.

What does?
GRAPE DUST.
Sold by Seedsmen.

MAIL

LOCK THE DOOR BEFORE THE HORSE IS STOLEN
DO IT NOW.

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

Toronto.

What is the matter with Toronto? Oh! she is all right. There has been no carnival here, only a little snow storm that appears to have buried your correspondent's memory, which was not dug out until too late to post his last week's notes. The church spires are still visible, but another storm or two like the last and we shall like Baron Munchausen be able to tie our horses up to the topmost ornaments. The weather too has been very cold and florists and gardeners have had an anxious time in endeavoring to keep the frost out of their greenhouses. I have only heard of one or two comparatively unimportant instances. The strong wind along with the cold was so trying.

I can not report that trade has been very flourishing this last two weeks, the wholesale men appear to be cutting their stock pretty close all the time, but most of it goes out of the city. At a ball the other night very few flowers were worn although all the elite were present. They do say that many people have given up buying flowers in order to be able to give more for charitable purposes. I noticed, however, in the reports of the ball next day that nobody appeared to have economized in the matter of dress. That is a horse of another color altogether. The weather does not suit the plant trade which is very quiet.

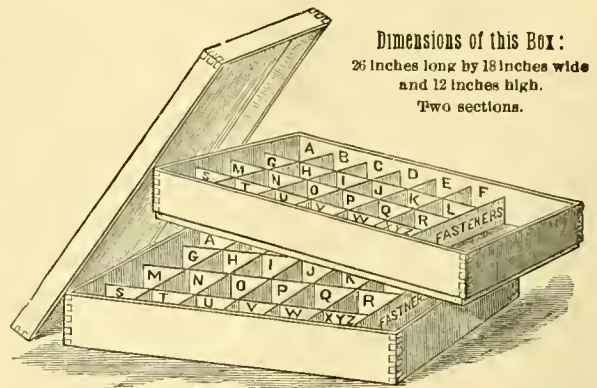
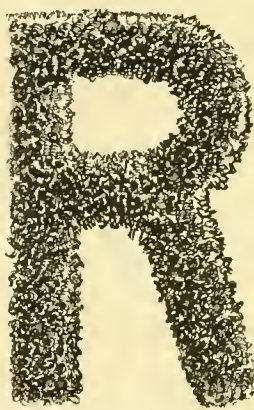
There are two fine examples of white Cattleya Trianae here, one at the Central Prison, which I saw to-day, and another at Reservoir Park, which I hope to see to-morrow. It is a lovely thing with large, substantial pure white petals, a slight tinge of yellow in the throat.

A petition is being circulated and I hear largely signed by the trade generally all over the province to change the Electoral District societies in cities and horticultural societies in towns and villages at present dependent on the Electoral District societies to horticultural societies pure and simple, and that they be given a grant as a right directly from the government and not through the favor of the Electoral District societies. Forms of petition have been sent to all the secretaries of all the country horticultural societies and to those interested in cities. It is hoped that every one in any way engaged in the industry will attach his autograph to this petition; the time is short as the legislature meets on the 21st inst., and the forms must be returned by the 14th, but the advantages to be secured are worthy of a grand hustle. E.

"ROSE LEAF"
EXTRACT OF TOBACCO,
INSECTICIDE,
Death to Aphis, Red Spider, &c.
.....WRITE FOR PAMPHLET.....
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20 CANE STAKES FOR 1 CENT
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Two sections.

This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

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These Letters are handled by all the Wholesalers in Boston.

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IN
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50c. 75c. \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00 per 1000

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FOR SUPERIOR DESIGNING AND ENGRAVING

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Our new Catalogue is now out, free upon application.

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TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

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Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

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¼, 5-16, ¾, ½, ⅜, ¼, and ⅙-inch square cut to lengths wanted.

When asking prices state sizes of boxes or stakes and quantity wanted.

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TO TAKE PLACE OF WIND MILLS

HOT AIR PUMPING ENGINES

A Windmill

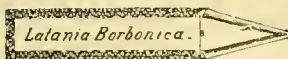
Is unreliable because it depends upon the elements for its power; hydraulics also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

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Pumping Engines

are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

Send for illustrated catalogue to
THE DE LAMATER IRON WORKS
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THE ACME AJUSTABLE FANCY Metal Pot Label.



Valuable for Conservatories, Exhibitions, Florists Store Windows, Seed Pans, etc.
Manufactured from decorated tin and brass, of neat appearance, will last for years; holds removable card board frame of plant, always legible, protected from moisture by transparent mica. Size 5¼ inches long, 1 inch wide. Send for descriptive circular.
Tin Labels, price per 100 \$1.75. Tin Labels, sample dozen, postpaid, 30c. Brass Labels, price per 100, \$2.25. Brass Labels, sample dozen, postpaid, 35c.

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Price postpaid 75 CENTS.

Address American Florist Co. CHICAGO.

Showing the appearance of the Binder when quite full of

THE American Florist.

Every subscriber should have one.

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Wisconsin Flower Exchange, WHOLESALE CUT FLOWERS AND PLANTS.

(CONSIGNMENTS OF FLOWERS SOLICITED.)

GARNATIONS. 22,000 WM. SCOTT, the best pink, also GOLD-FINCH, best yellow; LIZZIE GILBERT, scarlet; KOHINOOR, PURPLE KING, and the others.

Stock complete, quality good, prices reasonable.

CINERARIA—Good plants for show window, at 25 cts.

SWEET PEA and other Seeds, choice and low prices

Tuberose Bulbs, Auratum and Speciosum Lilies.

OUR NEW PLANT TUB.

Price less than half of any other tub on the market. Florists having large plants should not be without it. Dealers issuing catalogues cannot afford to be without it. It supplies a long felt want for something neat, durable and cheap.

It has steel wire hoops (three times as strong as the flat iron hoop) with welded joints (not riveted as in common ware). These wire hoops are at intervals indented and pressed into the wood, these indentations in hoops, besides preventing them from falling under all circumstances, act also as a spring, expanding or contracting, always in accord with the condition of the wood in the tub, so that bursting is impossible.

We quote you following prices on "Our New Plant Tub" in four sizes, painted green. Net F. O. B. Milwaukee.

Jobbers prices on application.



Received Highest Award at World's Fair, Chicago, 1893.

No. 1, width of top 19½ in., depth 14½ in.....	per doz. \$10.50
" 2, " " 17 in., " 14 in.....	" 9.00
" 3, " " 15 in., " 12½ in.....	" 8.00
" 4, " " 14 in., " 12 in.....	" 6.70

WISCONSIN FLOWER EXCHANGE, Milwaukee, Wis.



Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere.

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J. N. STRUCK & BRO.

Manufacturers of

• CYPRESS •
Greenhouse Material,
LOUISVILLE, KY.

WOOD LABELS,

of Superior Quality, for NURSERYMEN and FLORISTS.

Best pattern of 2½-inch, printed and wired. "Highly commended" at Convention American Florists at Atlantic City.

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ELECTRICAL AND MECHANICAL EXPERTS,
Correspondence Solicited.
Atlantic Building, WASHINGTON, D. C.

San Francisco.

The California State Floral Society will hold a rose show early in April.

The chrysanthemum business was very much injured the past season by Chinese and Italians who raised them by the acre and sold the flowers to retail dealers at from 2½ to 10 cents a dozen. During the months of October, November and early in December fairly good blooms of Lincoln and ordinary whites were sold on the streets by boys at 10 cents a dozen. As a result legitimate growers got but poor returns for their stock. Christmas and New Years was about the only time growers received anything worth mentioning for their flowers. Good flowers then brought \$2 to \$2.50 a dozen. But only those grown under glass brought good prices. Inferior flowers retailed at 75 cents to \$1 a dozen.

The weather during December was very hard on outdoor stock. It rained 20 days out of the month.

Yoshiike's new chrysanthemum Capt. J. C. Ainsworth promises to be a good thing. The drooping petals are sometimes 6 inches long and look like silken floss. The variety Mrs. J. Geo. Ills is too weak in the stem to be a good trade flower.

W. S. D.

THE PEOPLE of the state of Maine have recorded by a popular vote their choice of the pine cone and tassel as the state emblem. Maine Associations from California to Washington joined in the ballot. It is expected that the choice of the people will be ratified by the State Legislature.

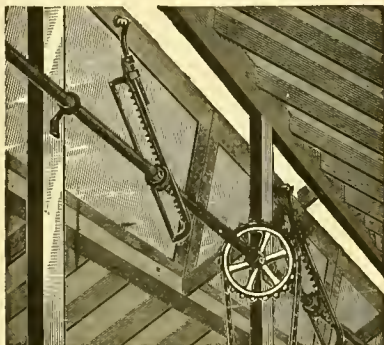
FORTUNES IN FLOWERS was the title of an article recently published in the Chicago Record, in which women were told how easy it was to make barrels of money in the florist business. The picture of a lovely maiden in the get-up of a stage chambermaid, picking roses off potted standards with the aid of a triangular trowel, convinced the reader that there are many glittering possibilities still concealed in the flower trade.

SEE HERE

BROTHER

FLORIST!

Aren't you tired going through your houses two or three times a day year after year and lifting your ventilating sash one at a time and propping them up with sticks or pots, with a chance of having sash blown off and broken glass to pay for? If you are



We have got just the thing you need, the NEWEST and BEST thing out. "The New Departure" for about half the cost of the old style. Send for Descriptive Catalogue to

J. D. GARMODY, Evansville, Ind.

Mention American Florist.



What Growers Say!
A Different Letter Every Week

LEXINGTON, Ky., Nov. 8, 1894.
LOCKLAND LUMBER CO., Lockland, Ohio.
Gentlemen:—We have been much pleased with the Cypress greenhouse material purchased of you last September. The lumber is clear and you have filled our order so liberally that after finishing our house we have still a considerable amount of material left over. The carpenters who have done the work upon it report the lumber as being as fine stock as they ever saw. We shall take pleasure in recommending your firm to others needing greenhouse material.
Yours very truly,
C. W. MATHEWS.
(Of Ky. Agl. Experiment Station.)

Green-House Material.

The finest CLEAR CYPRESS used.

For circulars and estimates ADDRESS

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LOCKLAND, O.

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BRANCH WAREHOUSES:

Randolph Ave. and Union St., Jersey City, N. J.

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STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipe Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO. OFFICE: 403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS.

We will furnish you with prices on application, and will fill all orders promptly. Our Pots are excelled by none in the market.

THE PARMENTER MAN'FG CO., EAST BROOKFIELD, MASS.

FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc. Making a Specialty of

Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, Minneapolis, Minn. P. O. Box 78. When writing mention the American Florist.



EVANS' IMPROVED

Challenge Ventilating Apparatus

Write for Illustrated Catalogue.

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10 per cent. off for cash with order. Special discount on large orders. We carry a large stock on hand of good strong pots.

PRICE LIST OF STANDARD FLOWER POTS.

1 3/4-inch pots, per 1000	\$ 3.00	6-inch pots, per 1000	\$22.00
2 "	3.25	" "	35.00
2 1/4 "	3.50	" "	50.00
2 1/2 "	4.00	" "	75.00
3 "	5.00	10 "	per 100 10.00
3 1/2 "	7.25	" "	15.00
4 "	9.00	" "	20.00
5 "	13.80	" "	49.00
		16 "	75.00

Address HILFINGER BROS. POTTERY, FORT EDWARD, N. Y.

August Rolker & Sons, 136 & 138 W. 24th St., New York City, New York Agents.

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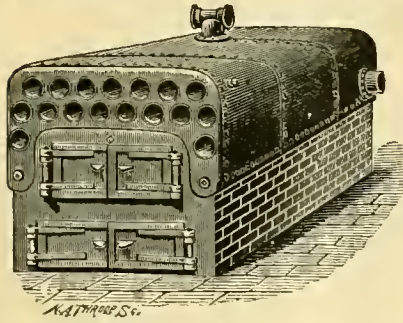
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THE FLAT TOP TYPE

Wrought Iron Hot Water Boilers.



Capacity from 350 to 10,000 feet of four-inch pipe.
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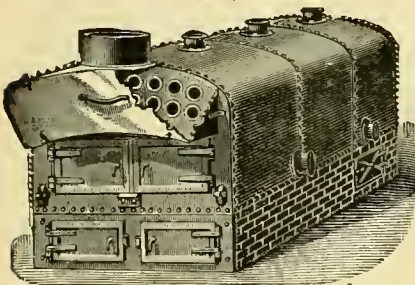
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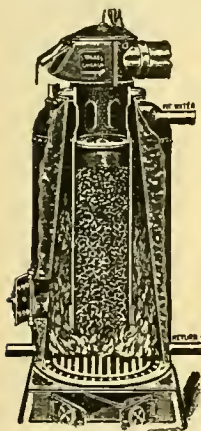
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Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.



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BEST IN USE

FOR GREENHOUSES, LARGE and SMALL.

All Steel. No Coils or Cast Iron Sections.
SEND FOR CATALOGUES.

WILKS MFG. CO., 123 S. CLINTON STREET, CHICAGO, ILL.

GLASS

which is absolutely perfect for modern greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates. Satisfaction Guaranteed.

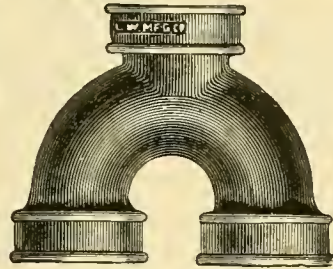
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102 South 5th Avenue,

NEW YORK CITY.

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Greenhouse Pipe and Fittings.



Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

Pipe can be easily put together by any one, very little instruction being needed.

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Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.

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WRITE FOR ILLUSTRATED CIRCULAR.

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FOR GREENHOUSES.

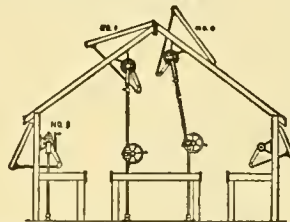
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No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform in 100 foot houses a new device.

Send for Catalogue and Estimates.

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INCORPORATED.

Horticultural Architects and Hot Water Engineers

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Pat. 1882, '85, '86, '88, '90, '91.

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Sizes, 1/8-inch to 42 inches diameter.

The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our Patents. The rights secured to us render each individual dealer or user responsible for such unlawful use with all the consequences thereof. For prices and discounts address WATERBURY RUBBER CO., Sole Mfrs and Owners of all the *Sphincter Grip Armored Hose Patents*, 49 Warren Street, New York

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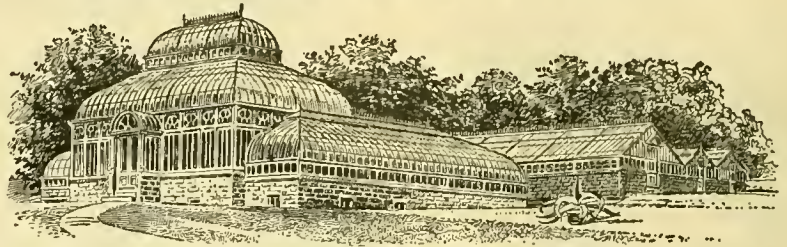
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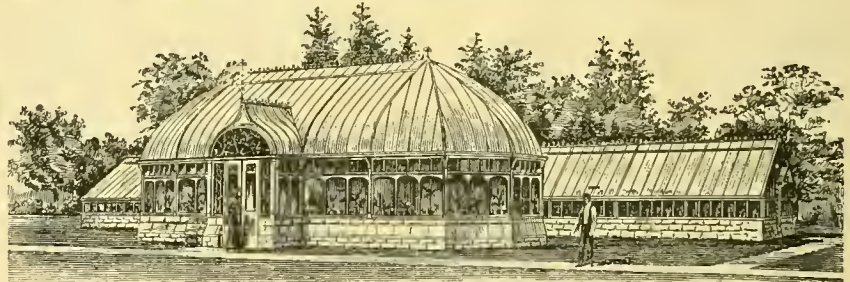
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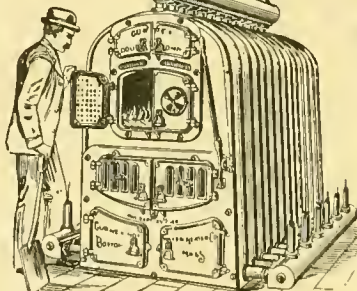
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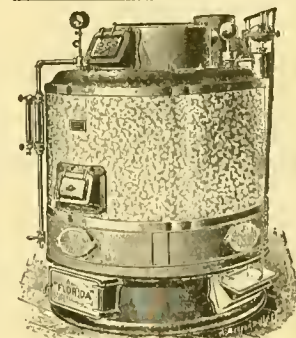
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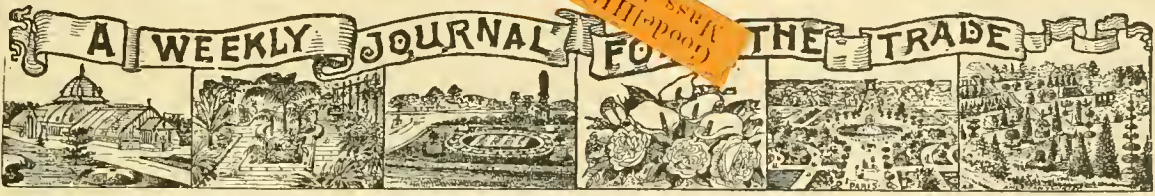
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307 HAWTHORNE AVE., CHICAGO, ILL.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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The S. A. F. Charter.

The bill granting a national charter to the Society of American Florists has passed both houses of Congress and awaits merely the President's signature to become law. R.

IF YOU HAVE anything to sell to the trade you need an adv. in our special spring number to be issued March 16. No increase in rates.

NEW HAVEN, CONN.—S. H. Moore & Co. is the title of a new firm at 1054 Chapel street. Mr. Moore was formerly with G. A. Dickerman.

NEWBURG, N. Y.—John Peattie, a prominent florist, died on February 6, in his 56th year.

Glass Houses—Their Construction and Heating.

BY H. W. GIBBONS.

[Abstract of a paper read before the Mass. Horticultural Society February 9.]

Mr. Gibbons said that under this heading came not only structures used for raising plants or flowers for profit, but also greenhouses designed for both useful and decorative purposes on private estates; from the small greenhouse of the amateur florist to the imposing ranges of palm and other houses upon the estates of persons of wealth and refinement. He continued—

Commercial greenhouses being in use solely for profit, the proprietors desire to have their structures built to force their various crops of flowers or vegetables at as small cost as possible. Therefore the architect of such structures must design these houses of such shapes, dimensions, etc., as shall be adapted to special localities; that all available light, and also protection from strong winds or any other unfavorable influence shall be secured. With regard to the temporary or sash-bar construction, it may be described thus: Posts to support the building may be of locust, cedar, cypress or chestnut lumber; the first the most durable and expensive, the last the least in both respects. For temporary economy I would use cypress, being easily procured, at moderate cost, and of fairly enduring quality. This description applies well to red cypress; other varieties are not so desirable. But the red cypress must be air dried only; if kiln dried it absorbs so much moisture that it will warp in drying, and is, therefore, unfit for this purpose. Of air dried stock make posts for side supports of the greenhouse. If the structure is an even span of eighteen feet six inches, the posts should be of 2x5-inch joist, cut to set in the ground three feet and six to eight feet apart, with another of 2x2-inch alternating. If there is to be no glass in the walls four feet to the plate will be the right height for the side wall. If gutters are not used so much the better, as they promote decay of the wall, and should be avoided as far as possible. If they must be used they should be made from the solid stick, 4x6 (or seven) inch. The tops of the posts should be cut to the same pitch as the roof—about 32 degrees.

Next comes the siding. The inner siding should be of "bevelled ship," as it makes a tight joint. Nail it to the outside of the posts and take care not to allow any joints directly over another. This should be covered with rosin-sized building paper (weight one-half pound to a square foot) laid smoothly, and the outer siding at once nailed on, all the nailing to be done into the posts, all butted joints being made at those points, and no two successive ones at the same post. Novelty siding is preferable for the

outside. The upper edge of this siding rises to enter a groove that is ploughed in the lower side of the plate. The plate is made of 2x6 inch plank. Its under side has two ploughed grooves, the lower and larger one to receive the top edge of the outer siding, while the upper one (1/4 inch wide) serves to prevent the water of condensation from the roof from reaching the siding, by causing it to fall at that point. On the upper side the upper edge should be cut to a slight bevel to give a better bearing for the sash bar. Beveling the opposite edge of this upper surface would lessen the liability of ice to form there, to back up under the lowest lights of glass and cause breakage.

The sash bars are next in importance. Assuming that 16x24 glass will be used, sash bars with supports only five feet apart, 1 3/4 x 1 1/2 inch, are ample; but with supports eight feet apart 2 1/4 x 1 1/2 inches is necessary. The rabbets for the glass upon the upper edges should be V shaped at the bottom to retain the bedding putty. A groove is also needed on each side of the bar to carry off the water condensed from the moist air, which would otherwise fall upon the plants, causing injury. Be sure to cut away the lower side of these grooves before they reach the plate, that the water may fall upon the earth instead of the plate. Avoid mortising or other cavity making in any of the woodwork, where moisture can collect, which always hastens decay. Columns to support a purlin midway from ridge to eaves should be of iron pipe. For the southern slope of an 18 feet 6 inches wide 3/4 span, 1 1/4-inch gas pipe 8 feet apart will serve. For each slope of an even span house of the same width inch pipes at the same distance apart are right.

The ridge of houses such as these should be of perfectly air seasoned timber, sawed from a log that is perfectly sound, straight and true to the grain, free from heart or sap; otherwise yellow pine is preferable. It should be 2x6 inches and finished on either side, as necessary to receive sash bars, and glass or ventilators. A cap 3x1 1/2 inches, machine finished to shape, is securely fastened to the upper edge. When the sash bars are all secured in their places to both eaves plate and ridge the header, which connects the roof ventilating sash with the roof, is next fitted upon the sash bars. The ventilating sash is to be three feet deep, and continuous on either or both sides of the ridge to which they are now generally hinged. With this strain upon the ridge the latter needs as supports 1 1/2 or 2-inch gas pipe columns, or 3x3 wood posts, every eight or ten feet.

We next present what may be termed the permanent or true economy plan of construction of greenhouses, in which, so far as practicable, the material is iron. When the site is levelled and the floor line

fixed cast iron post bases $2\frac{1}{2}$ feet long are set their full length into the ground. To each of these a cast iron post is bolted. These posts are tied together by two lines of angle iron purlins; the lower is 18 inches above the ground, and is 3×2 inches by $\frac{3}{8}$ inch angle. Beside tying the posts together this purlin gives support to the $2\frac{1}{4} \times \frac{1}{4}$ inch eaves or gutter purlin and plate above by means of a light intermediate post which connects them together. They also support the header of the side ventilating sashes, the gutter and the roof up to the lower roof purlin. The lower purlin also serves as the back support for the side bench instead of using back legs. To connect the rafters $2 \times 1\frac{1}{4} \times \frac{1}{4}$ inch angle iron purlins are used, giving longitudinal stability to the roof and support to the sash bars. When a suitable bracket is used to unite rafter and post, and also the rafters together at the ridge, that, with rafters not over seven feet between supports, a section of flat iron $2 \times 1\frac{1}{2}$ inches is ample; and for lengths of seven to eleven feet $2 \times 1\frac{1}{2}$ inches will serve. The rafters are tied at their upper ends by iron brackets, which have also a socket to receive a wooden ridge, such as has been described. This ridge is far superior to any iron one that has yet been devised, as it meets all requirements the iron can, and many others beside. The upper brackets should have provision for carrying the shaft of the ventilating apparatus.

For connecting the rafters, giving stability to the roof, and supporting the sash bars, $2 \times 1\frac{1}{4}$ inch \times $\frac{1}{4}$ inch angle iron purlins are used. These purlins are spaced according to the length of the rafters and size of glazing bars; the upper one affords support for the upper ends of the glazing bars, of which a $\frac{1}{4}$ to $\frac{3}{8}$ inch rests upon the purlin and each is also toe-nailed to the under edge of the cypress header, which supports a ventilator above, and is firmly screwed to the purlin below it. The ends of the iron house are braced with one or more lines of purlins, as required by the size of the structure. Iron door posts are bolted to iron bases, as are the side posts, and reach up to the rafters. An iron door sill is also fixed in place. End purlins run from end post and rafters to the door posts; altogether making a well braced and stiff end, to which the necessary woodwork is readily attached.

The gutters are the last part of the iron frame. As they are of cast iron, and if water is frozen in such they are quickly ruined, provision is made for a portion of the heat from the interior of the house to be taken into the gutters, thus preventing the freezing of the water therein. It is a complete success. Now for the woodwork of this iron house: The sides are covered to the ventilators the same as the wooden house. The sill is connected the same, but as it serves as the sill of the side ventilators is finished above to meet that need. The ventilator, usually twenty inches deep, hangs from a rabbeted top rail, making a weather-tight joint; above this is a header, the under side being grooved to shed water. The eaves-strip is screwed to the upper purlin, and is fitted with a plough-groove upon the under side, near the outer edge, to receive the upper edge of the gutter. Its upper surface is bevelled, the outer side to the pitch of the roof, the inner to afford support for the foot of the sash bars.

An elaborate description was given of the construction of more costly glass structures for private estates, including those for different classes of plants. For

glazing for rose houses he recommended French or Belgian glass, the double thick grade, second quality, as allowing more ready passage of the pure light. For almost all other structures he believed American glass well suited, and thought that the time is coming when manufacturers here will produce as good glass as any imported. Possibly the only reason it is not now made is the present higher cost of labor, but improved methods of manufacture may overcome that difficulty.

As yet nothing better than light wooden bars with suitable putty has been found for satisfactory glazing purposes. The rabbeting should always be V-shaped, filled with putty, the glass placed and rubbed down firmly to the sharp edge of the rabbet and secured with strong zinc nails or other suitable points. Many other methods have been put forth, but in practice none of them has proved worthy of adoption.

Mr. Gibbons illustrated the various points touched upon in his remarks by use of diagrams and models, of which he had brought a most interesting and comprehensive exhibit.

Book Learning and Practical Experience: Their Comparative Value in a Florist's Education.

[Abstract of a paper read by Judge Hoitt before the Boston Florists' Club, February 5.]

The speaker opened with a tribute to the value of books as friends, counsellors and companions, citing many famous examples, and defining the difference between inherent ability and mere parrot learning. He reminded his hearers that the profitable use of books is to furnish materials on which the mind can act, and to facilitate their observations of nature. The education received at school and from books is primary and fundamental. Whatever we may there find or learn is simply for use and to be applied in the "practical experience" of our business or of our life. A good common school education is urged as furnishing us not only with the fundamental principles, but as leading to those sources of information from which we can at any and all times draw, and teaching us to see and understand what we have presented to our view; to deduce and to apply the lessons there offered or to appreciate the dangers and difficulties threatened. Such education teaches one to think, which to every one is of the highest importance.

By practical experience is intended personal experience, either by actual contact or direct observation. With a good book education as a foundation one is prepared to branch out, and build thereon, by his experience profiting by his successes and failures. A world full of books may tell you of the wonders of a certain shrub or the phenomena connected with the propagation or growth of certain plants but you can never understand them exactly but by the test of experience. Having first had it described to you step by step your mind is in a more receptive state for the successive stages. Practical sciences are not to be learned but in the way of action. It is experience that must give knowledge, and yet except one is observant, studious and has a retentive mind the experience is not always utilized. The speaker pointed out the duty of noting any unexpected development or novel feature; such experience should be preserved for the benefit of other workers.

Continuing, the speaker declared that practical experience was a most necessary adjunct to book knowledge; without it

the practical experience is not so fully appreciated, and the education is limited to the personal surroundings, and personal experiences; one is deprived of the many advantages arising from investigation, observation and experiment of others engaged in a similar line of business or duty. Without the practical experience, one is filled with mere theoretical knowledge. Again, he observed that the knowledge we gain from books is for the sake of application; to read and study the literature of plants, flowers, shrubs and trees is pleasing and instructive, but to the florists, its real intrinsic and profit producing feature is in the application of the teachings and suggestions set forth and made in such. When Prof. Watson a few months ago submitted a list of books of particular value to florists which was published by our two leading trade papers as being of great value to their patrons, he recommended such for the practical information conveyed therein, and having read such the readers should apply the principles found therein.

President Dean of the S. A. F., at Washington, called attention to "Two urgent needs of the craft: 1st, a college where scientific training can be had with business education; 2nd, an experimental station to which florists can refer vexed questions." He adds, "as a rule, we have grown solely on practice, with no knowledge of the scientific possibilities of plant culture. Ignorance of the correlative laws of plant demand, and soil supply, balk us at every step, and has retarded floriculture many years." An earlier president of the society approved this statement. Another authority, Mr. Peter Henderson, in his usual pithy and terse way said, "the underlying principles never change, though undoubtedly in the methods of making them available, we have made rapid strides in this country. In the early days of floriculture nearly all the men engaged in the business were old countrymen, often lacking in education. Now hundreds of young men with better education are training direct for the business."

It was the opinion of the speaker that the boy preparing for the florist's trade should first have a good business education, followed by study of horticultural literature. But the fact of education alone should not give anyone the idea that he was at once fit for a high position—he should work his way up, until his ability was proved. The need of technical schools was touched upon, it being Mr. Hoitt's opinion that there was as much need for these schools in the florist's craft as in other trades. He pointed out the ease with which we assimilate information when it is given us in the form of practical demonstration. For this reason he thought exhibitions of floral designs or decorations were of very great value, both for the education of the florist and for the purpose of calling out a demand for such work on the part of the public. He thought this was one form in which technical education would be of great value.

The Kew Lectures Again.

I am obliged to Mr. Hatfield; there is nothing like precision when we are about it. The truth is there are lectures and lectures at Kew. The institution is no hen coop. In my time even Professor Oliver distinctly tried to give all his lectures a practical flavor, and he was regarded as the botanical lecturer. The Hookers both lectured on anything but botany—in its strict sense. But I can



LUCULIA GRATISSIMA.

not do better than send you the courses of lectures as given a year or two ago.

"Four courses of lectures are given every year; 25 lectures on organography and systematic botany, 34 lectures on economic botany." These with the contents of the museums are the most useful of all. "10 lectures on geographical botany." A very useful series also. "35 lectures on elementary physics and chemistry," with plant illustrations of course.

Now for a year ago. The library lectures and papers which are distinct from the other courses, and from the work of the British botany class, were as follows: Sir Joseph Hooker offered a prize for the best paper on "A year in the garden." The cryptogamist, Mr. Masee, lectured on fungi harmful to vegetation. The papers read were on horticulture in the United States, hybridization, the flower garden, stove foliage plants, the potato, cryptogams, hardy bamboos, propagation, the uses and functions of leaves, soils, manures, notes on British plants, Cape heaths, irides, diseases of plants, fungi, gardening in Jamaica, the vine, the carnation, hardy spring flowering trees and shrubs, stove aquatics, filmy ferns.

Now if you will observe quite closely you will find that in all this list which I quote—even in the first series—botany figures as an *incidental*, not as a leading feature. Mind you, there is all the science the world can swallow, and vastly more than it can swallow, at the herbarium, but I am sure there is no attempt on the part of the garden lecturers now, or ever, to "favor botany."

Trenton, N. J. JAMES MACPHERSON.

Luculia Gratissima.

This is one of the most beautiful and useful plants we have for winter flowering. It comes into flower in December and its lovely pink color and delicious fragrance make it especially desirable for holiday sales.

It propagates easily from half ripened wood or wood from which flowers have been cut, it being only necessary to give

a gentle bottom heat and to keep the foliage free from red spider. Plants propagated in winter and grown in a cool greenhouse through the summer will make nice flowering plants in 3 inch or 4-inch pots by fall. When the flower buds are set keep the temperature at about 55° at night, for if kept too cool at this period the flower buds are liable to drop. Any light soil will do. When the pots are well filled with roots give liquid manure twice or three times a week.

GEO. MCWILLIAM.

Miscellaneous Seasonable Hints.

You may now be absorbed with more showy and important Easter crops, and forget that humble lot of plants which in May and June will enter largely into your trade for baskets, vases, and veranda boxes. Some of these are best grown from cuttings, and a few from seeds. Of those from cuttings you are supposed to have some stock of vinca; both the variegated and green are among the most useful plants for this purpose. If you lifted old plants from the field last October they can now be shaken out and divided and potted into 3 or 4-inch pots. If you propagated a lot in September from cuttings they will now be in 2-inch pots. You can get a cutting off each one. They root very easily and will come in very useful for late orders or baskets. The plant in 2-inch pots should get a shift into a 3-inch in good rich soil, and be placed along the edge of a carnation or rose bed. The so-called German ivy (*senecio*) you want in large quantities, for where not much exposed to wind it is just thing for a drooper for a veranda box. Get your few stock plants of these in such shape that you can have all the cuttings you want by the middle of March.

Abutilon vexillarium, with its pretty variegated foliage, is fine where it is not allowed to dry out. Perhaps you lifted some old plants of that; if so put in a batch of cuttings at once. Grown right

along they will make good 3-inch plants by the middle of May. I prefer to put in the cuttings in September, shift into a 3-inch very shortly, and they make fine plants with a comparatively small pot. *Lobelia* is best raised from cuttings and can be put in now or weeks later and make fine plants. When they have made any growth there is no place suits them so well as a hanging shelf on each side of of which they can hang over.

Lophospermum can be raised from seed; but cuttings will make much stronger plants. A few cuttings put in in September will now give you plenty of stock to propagate from. *Othonna crassifolia*, only useful for baskets, propagates most easily, but you want good sized plants, so get them started at once. You can raise the double sweet *alyssum* by cuttings, and it is one of the very few white flowering plants suitable for the purpose. Put in all you want of it now; in April it can be put into 3 inch pots and go into a mild hotbed.

The ivy geranium, of which there are now such grand varieties, is indispensable in veranda boxes. Those you struck in September should now be in 3-inch pots. It will improve them to take a cutting off each plant, which will make a good 3-inch pot plant by May. To grow fine plants the older ones should go into a 4-inch in early April. *Pilogyne suavis* is difficult to keep over winter, for it grows over everything if given root room, and the plants raised from cuttings look very small in the spring, but when once it starts to grow it makes a perfect curtain of its pretty green foliage and has an agreeable musk odor. Put in the cuttings at once. *Grammanthes gentianoides* is a perfect plant for a hanging basket; it grows freely and will be all right if propagated at once. The two weeds, money vine and variegated *glechoma*, should now be frozen up in a cold frame. Don't disturb them till March; then bring into the houses and they will be very useful.

Among those plants raised from seed for this purpose is *petunia*, which should already be sown. *Tropæolum* you should sow the middle of March. The dwarf varieties are no good for this purpose, sow the tall ones, and give them lots of light so they don't draw too much. They would grow to great height, but with their root room very limited they are quite satisfactory.

Linaria (the Kenilworth ivy) is only good for baskets, sow in March. *Maurandia* is rather slow to make a good useful size, sow first of March. *Thunbergia* is very pretty in a basket if you have nice thrifty plants, but it is one of the worst plants I know of for red spider, so guard against that. Sowe early in March. I may have forgotten some plants useful for the purpose, and perhaps in some localities there are other plants grown that I don't use, but the above are the plants we grow for "droopers," and if you have a good thrifty stock of them, and they must be of good size, you will be able to make a good job of a vase or veranda box or at least that part of it. As these plants are all droopers and cannot be grown on a bench as you would geraniums or coleus you must be prepared to have hanging shelves for them, or for the larger growing, such as *vinca* and German ivy, put them along in single file on the edge of rose and carnation benches. In March, April and May they will not do the slightest harm to the crops.

WM. SCOTT.

OUR special spring number will be issued March 16 and will be a beauty.



To PREVENT RUST.—Dissolve one pound of sulphate of copper in two quarts of ammonia in a 2-gallon jar. When dissolved add another quart of ammonia and stir well. [The liquid can be kept in this form for some time and used as needed.] Add a pint of this solution to a barrel of water and syringe the plants with a force-pump every two weeks. And don't let the time for spraying pass without attending to the operation.

Carnation Notes.

In a recent article on carnations around Chicago I notice that McGowan was said to be doing remarkably well, and in the opinion of the grower if this sort would do as well generally as with him no better white need be looked for. Now, if one man in the vicinity of Chicago can grow McGowan well it naturally follows that more can, for in the east it is the leading white, simply because it is now understood, and is proving the most remunerative of all the carnations. Many complain that it has a weak neck or weak stem; very true, and so will all others unless treated properly. Last year my McGowans were fine, having long stiff stems, but this year they are weak; why? simply because they are in too dark a house. September, October and a part of November were quite warm both day and night, and the stems ran up quickly, and when December came along with no bright days and cold at that perhaps we gave them not enough air, and when the sun did shine we were afraid to let the plants have the full benefit of it; both of these errors will produce weak stems. McGowan must have a good light house with the mercury never above 60° on a cloudy day, never below 50° at night and it will stand 75° to 80° when the sun shines, but never let the soil get dry under any circumstance, and be sure that the soil is wet clear through, for if it is wet on top and dry on the bottom you will see the plants begin to wither and shrivel until at last there is nothing. Many lay this damping off or withering to planting too deep; this will produce it, but not as often as the lack of thorough watering. Some will say that they have the same trouble in the field; so have I, but I notice that it follows a light rain after a severe drouth; the principle is the same. Make your benches as I have stated before so that you can pour on the water, and the surplus will go through the bottom.

One inquirer says his Scotts are coming weak stemmed. There is no excuse for this, and it is too bad for such a beauty in every way as Scott to be put on the market with a weak neck. A little more water, 50° at night, 55° days when no sun, and on bright days 75° to 80° with the ventilators open and the valves all shut if possible and I guess you will not be troubled with weak stems on Scott, but, I beg of you, don't use old rose soil again. The carnation is just as much entitled to the freshness and the fiber you find in newly decayed sod as the rose, and it requires it just as much. You would not think of using old carnation soil for roses, so don't use old soil at all.

The same inquirer wants to know if it is advisable to mix bone flour with the soil several months before using or when planting inside. I would not use it at all, you want ground bone and the best

you can get, I believe the imported is the best although it comes higher than domestic, and can be mixed with the soil the last time of turning. I believe that all varieties should be rooted as early as February 15 for main crop, excepting Daybreak, which will do one month later. It is true that very often cuttings rooted in April make fine large plants, but should a dry season prevail the plants are not apt to make a growth that will produce the best results. It is well, however, to put in several batches of cuttings even as late as April 1.

CHARLES H. ALLEN.

Bordeaux Mixture.

With reference to the use of Bordeaux mixture for preventing fungus growths on violets, would say it has not been a success with me. My plants are the Marie Louise variety and were moved to the benches about September 1. They were apparently strong and healthy. Almost from the first they were attacked by the "spot" in such severe form as to render it necessary to remove nearly all the leaves. This was repeated at frequent intervals until some plants succumbed and were thrown out and destroyed.

Realizing that something must be done if I would save my stock I obtained some Bordeaux mixture and sprayed a portion of one bed, containing 135 plants, which were as healthy as any in the house. This operation was repeated twice at intervals of about two weeks, at which time I stopped short for the simple reason that the unsprayed plants were outgrowing those upon which the fungicide was used in a large proportion. Since that time the sprayed plants have steadily deteriorated, until at the present writing (February 5) there are remaining out of 135 78, of which only 35 are throwing any sort of salable flower. Of the balance of my house, 480 plants, there are now living some 360, nearly, if not quite all, of which are blooming profusely, the flower being very large and deep in color, upon stems often 7 inches in length. I would like to state that since the advent of cold weather the "spot" form of fungus has not been very apparent, but the yellowing of the whole leaf, beginning at the margin, has been quite troublesome.

In the use of Bordeaux mixture for rust on carnations, my experience has been more gratifying. My bench of McGowans seemed particularly infested, some plants being completely covered with the blotches, but I am happy to state that after several applications of the mixture the trouble is abating and plants once covered with rust are sending out clean healthy shoots. Thus far I have not lost a plant. I shall however continue to spray at frequent intervals.

McGowans and Scotts are the money makers for me. Both varieties throw large full blooms and very long stems. Emily Pierson, Buttercup and Stuart are fine healthy plants, but give very sparingly of their flowers. Especially is this true of Stuart. The stems are immense, thick and coarse and standing erect at 30 inches. Many of these have been growing for weeks and yet they will not be satisfied and give us the desired flower.

Mattituck, N. Y. W. V. DURYEE.

CARNATION LIZZIE GILBERT.—Blooms of this new carnation were recently sent us by Ellis & Pollworth of Milwaukee, Wis. It is a large and shapely flower with excellent stems, of the general style of The Stuart, the color being clear and

bright. It seems to possess the qualities of a first class flower, and will doubtless be widely tried the coming season.



The Chrysanthemum Year Book.

The year book published by the National Chrysanthemum Society of England has recently come to us for review. It is a paper bound volume of 88 pages, exclusive of advertisements; the press-work is somewhat indifferent, and there are a few illustrations, which do not add materially to the value of the book.

A good deal of the book is naturally occupied with the affairs of the society publishing it, its shows, etc., but there are interesting papers on the chrysanthemum in different countries, notably that by Mr. Jas. H. Veitch on the flower in Japan, and experience in Australia by Mr. S. B. Levick. Regarding the cultural notes we can have nothing to say; our climate and methods are so entirely different from England that it would be manifestly absurd to criticize from an American standpoint. But the American chrysanthemum literature offered by this book is certainly open to criticism. We find a list of synonymous chrysanthemums in America by Mr. T. H. Spaulding (in which, by the way, the very familiar Wanemaker is mis-spelt) in which we find "Ostrich Plume" given as a synonym of Mrs. Alpheus Hardy. It should be borne in mind that although Mrs. Hardy was widely advertised as the "ostrich plume chrysanthemum" the title was never arrogated solely by that one variety—it was used as a descriptive term for all the hairy forms, and is still so used. For this reason we think it an error to give "Ostrich Plume" as a synonym when it is merely an adjective. Mr. Spaulding gives Robert Bottomley as the proper name, Lady Trevor Lawrence as the synonym, which should be reversed. In the case of President Spaulding, given as correct name, synonym Charles Sherman, it will be found that Charlie Sherman, President Spaulding and Gladiator are all synonyms of the variety W. M. Singerly. Mr. Spaulding gives Francis A. Spaulding as correct name, J. S. Dibbens and Mattie C. Stewart as synonyms but M. de Meulenaere entertains a contrary belief, as he gives Mattie C. Stewart and "Mrs. F. Spaulding" as synonyms of J. S. Dibbens. We do not find Francis A. Spaulding in any list of chrysanthemums to which we have access, there being but six or seven varieties bearing this family name in our authorities, so evidently Francis A. got away. It may also be stated that the variety in the list under review given as G. T. Moseman should be G. F. and M. E. Nicholls should be spelt with but one l.

Mr. Michael Barker of Cornell University gives some notes on American varieties and methods of culture, but few of our most striking novelties are mentioned.

An audit of the varieties exhibited at the National Chrysanthemum Society's show last November gives food for



ADVERTISING A CHRYSANTHEMUM SHOW.

thought. Here were 3,672 blooms, of which 1,993 were Japanese in 219 varieties, 787 incurred in 81 varieties, and 892 consisting of reflexed, pompons, anemones and singles. At the top of the list was *Avalanche*, which appeared 122 times. This was probably the yellow variety sent out by Owen in 1893, not the white *Avalanche* known in this country, which is now superseded. Second on the list was *Vivian-Morel*, exhibited 107 times; it will be remembered that this variety was the most popular pink at the American shows last year. Chas. Davis was third—this was much admired wherever shown here, but is not yet widely grown. Col. W. B. Smith was seventh, Wm. Tricker tenth, and W. H. Lincoln thirteenth. G. W. Childs and Niveus appeared 14 times, H. L. Sunderbruch appeared 3 times, W. G. Newitt twice, Mrs. E. D. Adams, President Smith and *The Queen* but once. Many of the varieties mentioned are not found at all at our shows; others, such as *J. Agate*, *Rose Wynne*, *Richard Dean* and *Mons. Panoucke*, have been seen and admired, but are scarcely grown in this country as yet.

A list of 25 chrysanthemum portraits, with the papers in which they appeared, is given; being restricted to this number of varieties it gives but a small impression of the many illustrated, particularly in America. It seems to us it would have been preferable to omit them altogether, rather than to have given such an imperfect list.

Advertising a Chrysanthemum Show.

The florists of Louisville, Ky., made a departure in advertising their last exhibition. This was a parade through the streets of the float of which an engraving is given herewith, headed by a troop of trumpeters. The results proved to be very satisfactory and it is believed that a large number of people were reached in this way that could not have been interested otherwise. The laurel trees at each corner of the float were covered with paper chrysanthemums.

Chrysanthemum James Comley.

In a recent issue of the *FLORIST* was an illustration of the chrysanthemum *James Comley* and a communication on the variety which states that it is valuable for exhibition purposes. If this variety is

identical with *Uncle Sam*, as is reported, I think that it will not be of much use for the purpose mentioned. *Uncle Sam* was exhibited at the Industrial Palace Exhibition of the New York Florist's Club in 1893 and it was noticed that it wilted in a very short time, so much so that it had to be removed. This variety was exhibited last fall at the show of the North Hudson Florists' club at Union Hill, and in a very short time after being staged it showed a very ragged appearance. Possibly the flowers referred to in your letter were grown better than those shown here in the east, but I am inclined to believe from an examination of the variety that it is not and cannot be a good exhibition sort.

CHARLES H. ALLEN.

In reference to the above Mr. E. G. Hill writes: "Yes, we think *Uncle Sam* and *James Comley* are the same, and we suppose the former name has precedence. As to the keeping qualities of the variety, we thought it excellent in this respect. Probably the blooms exhibited were cut from plants not thoroughly ripened, or very late struck. Ours were late both in maturing and blooming, too late for the shows. Of course the drooping form of the petals causes the bloom to look bad very quickly after it does begin to wilt."

Double Violets as a Profitable Crop.

BY WM. SWAYNE.

[Read before the Florists' Club of Philadelphia February 5.]

I was somewhat surprised to receive a request to write on this subject, one I know so little about. I have, however, been growing violets for several years with only fair success, and from former experience at least, they have been a very unprofitable investment. The fact that they have taken a second place with us, growing until room is needed for young carnation stock, is no reason why they cannot be grown successfully, and thus pay handsomely. First we tried *Marie Louise*; in the early part of the season the plants would look fine, but without apparent cause "spot" would come and the plants succumb to it. When one of the professors of the Department of Agriculture at Washington visited us he stated that one of their experts had been trying to solve the mystery of violet discases, and knew no more at the end of a year's work than he did when he started. We gave up

in despair of ever being successful with them.

At this point the new violet "*Lady Hume Campbell*" came into the market and was given a test, finally this season a trial. I say test, for a few plants were set among badly diseased *Marie Louise* and came through all right. Result is that we have grown this variety alone this season, making them a profitable crop.

There seems to be quite a variety of ways of growing, each one believing his own best. We have planted a frame or lean-to early in June with part of our plants, removing sash and growing as an outdoor crop, then putting sash on after a few hard frosts. These have done splendidly all season, and are full of buds at the present time. The balance were grown in the field, runners kept off, making much larger clumps, they were brought into the house October 1. This lot has produced nearly as many flowers but not so fine as those grown in frames, either in color or size of bloom. I think they should have been planted in houses at least two weeks sooner, as they start slow, so as to have plenty of time to get well established before the weather gets too cold. A temperature 40° night, 60° to 65° in the day, has given the best results. Good ventilation is needed, and keep the plants clean at all times; then with as little fire heat as possible, and plenty of water, a profitable crop will be the result.

Asparagus Plumosus.

We are told that *Asparagus plumosus nanus* is a dwarf grower, never climbing, and that the climbing asparagus is *A. plumosus comoriensis*. Is this correct.

N. P. C.

The true *nanus* does not climb and is distinct, especially in a young state, having a feathery appearance. *A. comoriensis* is also distinct from *A. plumosus*, with longer growth, larger fronds and not so closely set as with *A. plumosus*. The three are distinct from each other in general appearance but they are found under all sorts of names generally in the trade.

W. A. MANDA.

Acalypha.

Subscriber "K. B." asks "What is the proper treatment for and propagation of the *acalypha*?" This handsome ornamental plant, which is much used in sub-tropical beds, is perhaps not quite a hard wooded plant, but can be called a woody plant, and can not be increased as readily as a *coleus*. *Acalypha* should have at all times a high temperature, and will only exist (not grow) at anything less than 60°. You can take cuttings of the tender growth early in the fall, say beginning of September, and they will root all right, or you can lift the plants, cut back a little and pot, and from them get cuttings during the winter. Perhaps the surest way is the plan I followed last year, which was to carry over a few dozen plants in pots all summer plunged out of doors. Bring them inside in September, shorten back the leading shoots, and in a good heat they will make young growths which root very easily. A bright light warm temperature is the secret of growing *acalypha*.

W. SCOTT.

JOSEPH CARBONE, of San Francisco, desires us to correct the statement that he has gone into insolvency; he admits that Mr. Monte, his partner, has done so, but says that personally he is aiming to pay his own debts as fast as possible.

New York.

The promise made by President Allen on assuming his office that he would hereafter call meetings to order promptly at 7:30 p. m. was literally carried out at the February meeting of the New York Florists' Club. The late comers—and these were in the majority—came in with a look of puzzled surprise on their faces that was very amusing and looked at each other with a sort of "where are we at" expression as they slid into their seats. The special business of the evening, viz., the disease of the Bermuda lily bulbs, was soon under consideration, Mr. James Dean as a starter launching the following resolution:

WHEREAS, the lily bulbs imported from Bermuda to the United States known to the trade as *Lilium Harrisii* and *longiflorum* are infested with a disease or blight which is believed to be contagious to other plants, especially to the lily family,

Be it resolved, that a committee be appointed to consult and report back to this club at its next regular meeting the advisability of requesting Congress to pass a law forbidding the importation of lily bulbs from Bermuda until the disease or blight has been destroyed.

Mr. F. R. Pierson being called upon to open the discussion then addressed the meeting substantially as follows: "I think the question of disease in *Harrisii* is very much exaggerated. There has been more or less disease in Bermuda ever since lilies have been grown there commercially. I started the growth of *Lilium Harrisii* in Bermuda in a commercial way in the fall of 1881, thirteen years ago, and in the first years we suffered considerably from the effects of blight, which oftentimes wiped out whole fields in unfavorable seasons. It gave us very serious concern lest it should destroy the industry, but nothing was heard of its unfavorable effects on the bulbs that were shipped here at that time and we considered it more particularly from its effects on the profits of the crop there. There has been more or less disease ever since—the amount depending upon accidental climatic conditions—and it has not been confined to lilies, onions, potatoes and other crops suffering severely at times also. What the disease is I do not know. Some of the professors of Harvard College pronounced it a fungoid attack, but no remedy was found; we ascertained, however, that by thoroughly manuring the land and giving it the highest possible cultivation we practically prevented its ravages. The question has arisen as to whether frequent cropping of the same soil has not been the occasion of the trouble. I can not subscribe to this view. Of course land frequently cropped, if not properly manured, would produce weak growth and in seasons favorable to its spread the blight would take stronger hold where the plants are not strong and vigorous. The lily bulb occupies the land for nearly nine months of the year, and is a gross feeder, and what is taken from the land must be replaced in some way. This, I believe, is best accomplished by heavy manuring with natural, to the exclusion of artificial fertilizers. That lilies can not be grown on the same land consecutively with good results is a theory that I think has been exploded, provided a sufficient quantity of well rotted stable manure is used."

Mr. Pierson quoted from a recent editorial in the Bermuda *Colonist* in corroboration of his views and continued: "Any increase in diseased lilies this year was the result of unfavorable conditions existing in Bermuda last year between the time of flowering and the time of ripening, when the bulbs were making their final growth. During this period there was

an almost unbroken drouth, which affected crops unfavorably not only in Bermuda but almost everywhere, and under such unfavorable conditions disease would naturally secure a more than usual foothold and affect the bulb crop more than ordinarily."

Mr. Pierson then told how when the question of disease began to be agitated a short time ago he had written to a number of his customers to learn whether they had been troubled with it and to what extent, and produced the replies which he had received. Among these were letters from Alfred Hunt, Norwich, Conn., who said that out of one thousand bulbs probably seventy-five were no good, otherwise plants were all that could be desired; A. N. Pierson, Cromwell, Conn., who estimated that ten per cent of the 4-5 and four to five per cent of the 5-7 were of the "variegated early" kind (laughter); Fred Burki, Bellevue, Pa., who had some blight, about the same proportion as the last two years; H. F. A. Lange, Worcester, Mass., who claims to have no blight or disease; Hugh Graham, Phila., who has found only a very few with blight; John Bader, Allegheny, Pa., who found a certain proportion very weak and with yellow spots, but not in sufficient quantity to cause dissatisfaction; F. McCrae, Providence, R. I., who finds very few diseased and no cause for complaint; Alex Dallas, Waterbury, Conn., who has no disease to speak of, bulbs having come from three different parties, and John Spalding, New London, Conn., whose lilies, obtained from several dealers, are all in finest condition and health. "These statements," Mr. Pierson said, "lead me to believe there is nothing like as much disease here as one would infer from the criticisms that have been heard. There were undoubtedly some bulbs of a very inferior grade thrown on this market last season, bulbs that had been badly damaged by the drouth, which are at the bottom of most of the trouble, and which probably could not have been disposed of except for the scarcity that prevailed at the close of the season." Referring to the consolidation of bulb growers recently effected, Mr. Pierson said that this action was taken to secure living prices for the Bermuda growers and not to raise prices here; to regulate the quality of the bulbs shipped, making them of a uniform standard quality and to stop the shipment of cut flowers to this country, and that as the Bermuda Bulb Co. would handle the entire crop of three million bulbs the present year, with the exception of perhaps one hundred and fifty thousand, a careful selection and inspection of the bulbs would be inaugurated that would, he hoped, result in a better grade of bulbs being shipped than has been shipped for some years. He deprecated too early digging, a practice which was largely due to the anxiety of the trade here to secure early consignments. Another cause of bad results in culture he believed to be in improper treatment by growers here, damage to the root by excessive wet or heavy condensation on the foliage being often factors in the case, it being possible to injure the best bulbs by unskillful handling. He reiterated in conclusion his belief that the extent of the trouble at the present time is largely exaggerated, citing in proof of this position the fact that several of the largest dealers have requested that they be supplied this year from the stocks of the same growers from whom they obtained their bulbs last season, which it is to be presumed they would not do if there was

any serious cause for complaint in their last year's experience.

Mr. Dean said that he had grown *Harrisii* lilies for thirteen years and for the first five years had no trouble, no matter what the treatment was. Then gradually began the little brown tips on the leaves, which had increased from year to year until now out of twenty-five thousand lilies he has not one entirely free from disease. He would guarantee, he said, that throughout the country there would not be found one plant out of ten not affected. The bulbs, too, he said were subject to decay and were at the present time not more than half the size they were when planted. All this he attributed to the lax culture practiced in Bermuda. He condemned roundly the custom of growing bulbs in old ground and thought the best thing to be done was to put up the bars and let them keep their lilies till California and Florida can do something for us. He claimed that the gentlemen who had written Mr. Pierson all had the disease but didn't know it because they did not scrutinize closely enough, and instanced the diseased blooms sent here at Easter as evidence that the disease was in no manner owing to cultivation of the plants here in the greenhouses. He accused the Bermuda growers of gross carelessness in growing and selection, and asserted that stable yard manure was used only in homeopathic doses.

Mr. Pierson characterized the resolutions as a gross injustice to the Bermuda growers and not likely to do any good. He referred to the black spot trouble on American Beauty and the various troubles affecting peas, onion seed and Roman hyacinths, and pertinently enquired what good could be accomplished by prohibitive legislation regarding these things.

Several other growers then were called upon. Julius Roehrs said that he thought the brown spotting on the leaves was on the decrease. Eugene Dailedouze said his lilies were better this year than last. President Allen advised caution and questioned whether there was a man in the club competent to investigate fungous diseases intelligently. He deprecated the inauguration of any needless scare and called attention to the hasty and ill-advised action of carnation growers in destroying thousands of dollars worth of plants on account of the "rust" agitation. Alex Burns said that if lilies can be grown eight or ten years on the same ground they are the only horticultural crop that will stand it. Mr. Dean fired a parting shot by saying that he proposed to try to grow his own lily bulbs hereafter, and the matter was dismissed by the adoption of the resolution and the appointment of P. O'Mara and Wm. J. Stewart as the committee to report at the next meeting.

Other matters of interest at the meeting were an encouraging report by Mr. Kelsey for the committee appointed to confer with the board of general appraisers regarding the classification of nursery stock; a vote authorizing President Dailedouze of the American Carnation Society to invite that organization on behalf of the New York Florists' Club to hold their convention in 1896 in this city; a letter of thanks from Mr. Bayard Cutting accepting his election as an honorary member; a vote authorizing the secretary to print all essays read before the club in book form annually; the appointment of a house committee to arrange for a social entertainment and a committee to consider and report some plan of federation with the many lesser clubs in the vicinity

of New York; and a discussion on the best method of properly recognizing by certificate or otherwise such novelties as are exhibited at the meetings and may be found worthy. The "adjourned" meeting lasted nearly as long as the regular session and lively discussions extended to the car steps and the ferry gates, as usual.

Business is wretchedly dull. All last week during the prevalence of severe weather stock of all kinds accumulated in the hands of wholesalers and much of it was lost. Prices are badly demoralized but not nearly as badly as they will be as soon as balmy spring weather makes its appearance; then look out for squalls.

Alex Burns is cutting a lot of grand La France, unequalled in color and size. When La France "is good it is very good and when it is bad it is horrid."

Narcissus Stella and Campenelle are not worth forcing for this market; nobody wants them.

Philadelphia.

The past week has been unprecedentedly cold. In Philadelphia the thermometer seldom registers zero and very rarely two days consecutively, but last week it stood at zero or below at least four consecutive nights, and one day only rose to 6° above at noon. The lowest point reached was 14° below; it has now moderated considerably, and the public is able to see what the florists' windows contain, they having been coated with ice for over a week. Such weather was of course very severe on those who had any decorating to do, and in spite of ordinary precaution many palms were frozen. Boxes of cut flowers coming and going were in most cases more or less frozen, and in many instances the whole shipment proved a total loss, even when great care was taken in packing to avoid such results. Boxes with orchids and others with violets wrapped in twelve to fifteen newspapers of three to six or more pages each arrived frozen hard. Is there not a good field here for concerted action such as succeeded in getting a special rate from express companies for plants? There is certainly gross neglect on the part of the companies carrying cut flowers that are carefully packed, when they are delivered in a frozen condition. Their receiving offices are heated, and this is where boxes should remain until the cars, which are heated, are ready to receive them. After reaching their destination they should at once be placed in a warmed office, and from there delivered by special covered wagons protected also with blankets. All this would entail no extra expense to the carriers except possibly the final delivery. Perhaps it would be necessary to have a uniform manner of marking boxes such as tacking or pasting a band of red paper around it both ways or some other distinguishing mark, so that no matter which part of the box was exposed the nature of its contents would be known to the agent, and he would act accordingly. If this matter is brought to the attention of the express companies by a committee authorized to speak for the trade generally we feel sure that a system of quick delivery and protection against frost will be adopted that will reduce the losses to a minimum.

The snowstorm blocked the railroads even worse than the March blizzard some years ago. The Chester County boys were snowed under from the 7th until the 12th; it was impossible to get trains through for that time. It was the worst

blockade on record for this region. Quite a number of the trade had stock in their houses frozen, the worst case being with Chas. F. Evans of Rowlandville, who says he lost \$5,000 worth, having one large range of houses entirely frozen out. The damage was occasioned by the returns getting frozen when steam was down, and as it could not circulate everything soon froze up. In consequence of this accident Mr. Evans called his creditors together last Tuesday afternoon and a committee was appointed to investigate his loss and report at an adjourned meeting. There were numerous other small losses, but nothing very serious; large inroads were, however, made on the coal piles and a great deal of hustling to renew fuel stocks that were very low.

Speaking of fuel George Anderson says that he makes a 25-bushel load of coke breeze go as far as a ton of coal. This breeze costs 2 cents per bushel and the hauling, and is consequently much the cheapest form of fuel. Coke is used to start a fire and make a bed for the breeze, which might fall through the grate. It is a more troublesome fuel than coal to a green fireman, but is easily managed after a day or two's experience.

Business, considering the weather, has been fairly good. Transient business was light, as most folks don't go shopping in zero weather. There was not as much work for the second assembly ball as for the first, although it was in years gone by always much the best for the florist.

All kinds of stock is plentiful and good, although some kinds of roses begin to show an off crop appearance, but there is plenty of number one stock to be had without much hustling, and second class stock is offered away down. This applies particularly to roses; carnations seemed pegged at 2 for all fair stock, and extras bring 2.50 to 3. Brunner roses sell for 50, Beauties and Belles \$3 to \$5 per dozen, large teas 6 to 10, smaller sorts 3 to 5, violets 75 cents to \$1. Good smilax is scarce and commands 20 cents; adiantum sells very well at \$1 per hundred.

Mr. Lonsdale in speaking of rust recently stated that the variety Grace Battles, which had shown signs of rust last season, was entirely free from it this season. The plants affected last year were grown outside and when planted in the house the disease became noticeable. As the plants were quite a distance between the rows he planted after a time in this space small plants out of 3-inch pots that had been kept inside all summer, and these grew and did very well, never at any time showing signs of the disease.

Mr. Sapiot, a large violet grower of this city, who has recently returned from a visit to his native land, says that the large violet growers near the city of Toulouse, France, used to grow the Marie Louise exclusively, but now grow nothing but the variety known here as Lady Campbell, it is called the Toulouse violet there, and is grown entirely in cold frames and to great perfection, much better than he has seen it in this country. K.

Boston.

The first week of February must go on record as a disappointment in the amount of business transacted. It is entitled to the distinction, however, of furnishing the stormiest weather experienced for many years, weather presumably most unfavorable for the blooming of flowers, notwithstanding which there has been no indication of scarcity in any kind of stock, customers being the only commodity in short supply.

There is no change from conditions of a week ago which calls for special notice, except perhaps the increased quantity and excellence of the bulbous stock coming in, the leading varieties of tulips and narcissi being now offered in quality such as has been rarely seen so early in the season. There have been many instances of injury more or less severe to flowers by freezing. This has been the case especially with those received by express, and doubtless complaints are yet to be heard in regard to those shipped away from here. It takes a big box for a very few flowers in such weather and mere thickness of packing, in the absence of any means of heating, such as bottles of warm water, etc., seems no safe barrier against frost.

It has indeed been a hard week, hardest of all upon the market grower, who after a night of anxiety and fire watching must pack up his stock and, regardless of the storm, start for the city in the early morning, where with his pile of boxes he becomes a chosen target for the fierce winds, which buffet him and his unwieldy load at the bleak corners as he makes his way over the icy pavements from store to store, or to the market, where it takes several minutes of vigorous arm swinging before his numb fingers are equal to the task of unbuckling the straps; and then, worst of all, he is denied the compensating privilege once enjoyed of doubling up his price.

The man who starts from home before daylight to sell flowers in the Boston market in such weather as has been experienced recently well learns every cent he can realize on them. One's thoughts are apt to revert to the by-gone days, before shallow benches and houses "lighter than out doors" were dreamt of; the time when the advent of such weather brought dismay to the heart of the retailer and put fat on the grower's ribs. The old fashioned cool-grown Bon Silenes, Safranons and Sprunts with their feet in the deep cold beds would stand in the semi-darkness with their noses pointed upward at the snow laden sashes, "hard as bullets," and refuse to budge. Going to town to seek buyers was the last thing the grower thought of on such a morning. Full well he knew the buyer would come to him, so he cosied himself in the warmest corner and waited in patience, and the more the storm raged the surer he was of his victim, and for every six inches added to the snow drifts outside he mentally added another five dollar bill to the price at which he might be induced to part with the jar of "nubbins" that stood in the hottest spot over the boiler trying hard to swell.

All preparations are now completed for the approaching meeting of the American Carnation Society. Advices from points remote and near indicate that the exhibition will be a grand one and interesting as a display to the general public, as well as in a more scientific way to the fraternity. Much interest is felt locally in the event, and the banquet to be given to the visitors by the Gardeners' and Florists' Club on the evening of Thursday, the 21st, will bring together a large and representative gathering. An interesting feature will be Prof. Halsted's illustration of the diseases of the carnation, for which several high power microscopes have been procured. Don't miss it.

Francis Brown Hayes, son of the late Hon. F. B. Hayes and heir to the beautiful grounds at Lexington where the late Mrs. F. B. Hayes so lavishly entertained the Society of American Florists, died Dover, England, on Saturday, Febru

Chicago.

At last there is a welcome change in the weather. Already the stock in every line is beginning to feel the effects of a rise in temperature accompanied by sunny days. Fortunately the demand keeps fully apace with the increasing supply, and so far prices have not weakened to any extent, colored carnations of medium grades being the only line that is moving slowly, and quotations are somewhat lower.

There was an extra demand on the 14th, St. Valentine's day. Although this day has not been counted on heretofore as a factor in the flower market, still the custom of sending cut flowers in some shape or other as a valentine has been growing to a considerable extent of late years, and was most notable this year both in local demand as well as in the largely increased orders from the country. In fact the outgoing packages at the wholesale dealers on the 13th were nearly as numerous if not as expensive as at the holidays. Let us hope that this custom of using flowers on St. Valentine's day may keep on growing. The retail boys might aid the movement by keeping their patrons posted on prevailing "fashions."

Beauties continue in good demand, but A1 selected stock is not at all plentiful. Bassett & Washburn are cutting quite a large number with a fair proportion of medium to long stems. Reinberg Bros. are also coming in with new crop, and if the weather should continue fine there is a good prospect of ample supply and improving quality. Bridesmaid is in full crop with a number of growers and of average fine quality; still the demand continues far in excess of supply. Testout is extra fine and selling at top prices. Reinberg Bros., who grow this variety to quite an extent, report it very satisfactory in every way. Kaiserin, too, has behaved well all through the winter. Although the plants have not produced as many buds as Bride since December 1 the quality of bloom is very good. Mermet shows the effect of hard firing more than any other variety, the effect being a diminished size and pale color. Perles are improving in quality. Meteor continues of varying quality. Some growers are sending in blooms with extra long stems and fine bright color, while a number of others have it almost as black as the ace of spades. Brides are more plenty but meet with constant heavy demand; the quality is good.

Carnations are quite plenty but, keep moving at a lively rate. White is in extra demand, the supply of these running short most of the time. Tidal Wave of medium quality goes slow.

With the advent of warmer weather violets are brisk in demand; quality is fair and supply ample. Bulbous stock continues in fair demand. The supply is increasing rapidly, but so far there is apparently no overstock in any one line. In tulips we have now some pretty fair Keiserkroon, La Reine, Yellow Prince, Chrysolora, Cottage Maid, Crimson King and double Tournesol. In daffodils Von Sions are fine, and also Trumpet major, which have just made their appearance. Valley is decidedly more plentiful and has weakened a little in price, few of the best quality going above 4. Harrisii are rather slow.

To what an extent the common wood ferns are depended on by the retail florist was forcibly illustrated this week by the sudden cut off of the supply. For the last three or four days not a fern is to be had in our market. The cause must be looked

for in the abnormal weather conditions prevailing in that section of the country whence the supply is drawn at this season of the year. In fall and early winter the main supply comes from our northern states, the ferns being gathered and packed away for winter use before the snow begins to fly. Much of the stock, however, later on is shipped up from more southern states, where the weather is ordinarily such as to allow picking at any time during winter; but most of this section is now covered by snow, and where it is not the frost has turned the fronds brown and useless. As a result there has been a heavy increase in the call for smilax. The wholesale dealers find it difficult to fill orders and prices have taken a sharp advance, best quality selling at from \$2 to \$2.50 per dozen, and extra heavy at \$3.

T. J. Corbrey and family left for Los Angeles, Cal., last Tuesday, where they will remain for a month or two.

Harms & Lang, 113 State street, have dissolved partnership, Mr. Lang disposing of his interest to the senior member of the old firm, who will continue at the old stand.

Joe Craig has opened up again at 205 State street.

Mr. C. C. Pollworth of Milwaukee was a visitor during the week.

Buffalo.

This city has seen one of the most severe weeks in its history for blizzards and steady low temperature, but thank goodness, we are prepared for it, even if we don't expect it, and are fortunate indeed compared with the dwellers among the orange groves of Florida. We have been certainly no worse off than the rest of the country, although New York state has had its share; 13° below was the bottom notch recorded. These conditions could not help shortening up the supply of almost all kinds of flowers, roses, carnations and violets feeling it mostly. There was, however, no great scarcity, for nothing happened calling for any great amount of flowers, excepting a few funerals, which called for more than an ordinary lot of emblems, etc. Speaking of emblems a well known east side man died last week; he was a prominent bowler and member of one of the best clubs in the city. So his comrades ordered a diamond with regulation pins and a couple of halls. It was well carried out mechanically, but is this not going too far? It "strikes" me as out of place, and could be "spared" on such occasions.

There has been no chance to dispose of plants for two weeks past, store windows with an inch of ice on them, and weather too cold altogether to handle plants; when we are all thawed out, which I trust will be very soon, I have every confidence in a brisk demand for flowering plants; it always does come in February. We are ready for it. There is a fine lot of plants in the houses waiting to show themselves.

Visitors in town this week were Mr. Wise of East Aurora and Harry Bunyard of Short Hills; "Arry" is looking well. Mr. Wise grows the finest carnations sent into town, and his thoughtful philosophic talk on his favorites is always worth double the time it takes to listen. Mr. E. M. Wood of Natick and the Wahan Conservatories was in Buffalo on business, and we had him for an hour or two, much to our satisfaction. If we learned nothing more than to classify our roses correctly it satisfies us. We now know that our fairly good roses would

be in Boston classed as *second fourths*. As we don't ask wholesale as much as a fourth of what Mr. Wood gets for his best it's all right. We hope Mr. W. arrived home safely and enjoyed his brief visit as much as we did his company.

On Friday next a car load of nondescripts will journey to Rochester to take the scalp of the Genesee boys at nine pins.

J. H. Rebstock is sojourning in the more or less balmy south. W. S.

St. Louis.

The continuance of cold weather keeps stock scarce and has a marked effect on the market. First quality roses are especially in demand, much of the stock coming in being below the ordinary grade. Bulbous stock has been in somewhat short supply, and violets are few and far between.

The Jordan Floral Co. are cutting some fine Jacqueminot roses, and have been doing so since the first of February. Their method of growing is to plant in the field during the summer and in the fall to cut a trench each side of the rows and as soon as the soil is frozen to lift each plant with a ball of soil and plant in the benches. The houses used have held chrysanthemums during the summer and fall; and Jacks are worked in as a second crop; as soon as the Jacks are over the house is used for giving more room to Easter stock or for growing young stock. The old plants are thrown out, as much better satisfaction is attained when the stock forced is one year old.

One of the most graceful and pretty decorations of the season, and without expensive, was recently made at Mahlers Hall. The ball room was decorated principally with wild smilax. The front of the balcony which projects over the room on all sides was covered with wild smilax, while at close intervals baskets filled with blooming plants and flowers and trimmed with streamers of smilax were hung from the front of the balcony; at frequent intervals in the balcony groups of palms were placed, and inclined outward over the room, giving a most graceful appearance. The mirrors surrounding the ball room were trimmed with wild smilax, and in the four corners banks of foliage plants were placed; the chandeliers were covered with wild smilax. In the reception room specimen palms were used, and whatever allowed trimmed with wild smilax.

In the dining hall the chandeliers were draped with smilax, and each of the twelve tables had a centerpiece, either a palm or cyclamen plant, around which a bank of moss was laid, and into which ferns and cut flowers were arranged. As one entered the waving palms gave a most graceful air to the whole, and after all were seated they were high enough to be out of the way and did not obstruct the view. On each table, besides the centerpiece, fairy lamps with pink shades were placed and surrounded with garlands of smilax and pink roses. Smilax was used also around the walls. The decoration was executed by the C. Young & Sons Co. and was much admired.

Considerable amusement was occasioned at the windup of the last series of games of the bowling club. Some one was kind enough to provide a first and booby prize for the winners of the lucky and leather medal. The packages were received with much curiosity, which was dashed when on opening one was found to contain the figure of a hog, while the other held the image of a donkey.

R. F. T.

Cincinnati.

The weather for the past week has been a continuance of what has gone before, in fact no one can remember the time when we have had the continuous cloudy weather that has been prevalent this season. After promising a change the first part of the week we caught it in the shape of a blizzard with the thermometer at 15° below zero accompanied by snow.

The most noticeable thing during the week has been the scarcity of good roses, and in fact good flowers of any kind. Roses, however, seemed specially hard to get, and there was trouble for any unfortunate who got a large order without having in sight the wherewithal to fill it. Trade has not been very brisk either. Here and there we hear of a large order but as a whole business is very slow. Whether matters would be bettered much by a brisker demand unless the supply should increase at the same time, it may be doubted.

Carnations are running very small and inferior. Bulbous stock does not share in the revived demand, but is as dead as ever. Violets are a scarce article, as no one can get at their frames to pick them. Corbet & Wilson are cutting some of the finest that are brought in the market just now.

The regular monthly meeting of the Florists' Society was held last Saturday. The attendance was very small on account of the severe cold weather. P.

Kansas City, Mo.

The past two weeks have been very hard on greenhouse men. In fact, this has been the most severe winter so far in twenty years. All the boys report that coal bills for January are the largest on record. W. J. Barnes had to call to his aid all the gasoline stoves in the neighborhood and just barely managed to keep out frost. All the others just got through, many having two men up all night—and how the coal disappeared! Our friend Barnes has also had for some time to buy his water, getting it fully a mile from his greenhouses. Hard, especially so as there has been practically no business for the past two weeks, but of course lots of work; and at no time has the stock of all looked so well as at present. At Brown & Sons the stack of orders that stand waiting for the weather to moderate augurs well for us all later on. It will keep them hustling to get them on. Most of them go to the south, a great many to New Orleans. Their stock never was in such fine shape. Business with the store men has been very quiet; nothing but a small funeral piece occasionally, and those are scarce. It is in a sense a blessing, as stock is scarce, and there has been no demand. Probst Floral Company have daffs and valley in great quantity, but all they are making is a show in their spacious store. However, we learn that in the near future there is going to be some good decorating. Our club meets on the 14th, and there will be some good maiden essays, as we learn that a great many are anxious to read a paper; and may they come. S. M.

BATH, ME.—Mr. John H. Ramsay, superintendent of Oak Grove Cemetery, is preparing to embark in business as a commercial florist and is now building four houses, two of which are 14x50, one 16x50 and one 16x16. He will conduct the florist business as a private venture but will still retain his position as superintendent of the cemetery.

EAU CLAIRE, Wis.—Mrs. E. Wygant has bought out the business formerly conducted by H. Bluedorn, and will continue it at the same address, 941 Main street.

MT. PLEASANT, IOWA—H. Colclough has bought out the West End greenhouses formerly belonging to Mrs. J. P. Bean, and will hereafter conduct them, in addition to his former East End place.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each lateration. Cash must accompany order. Plant ads. not admitted under this head.

SITUATION WANTED—As foreman or charge of department; good grower of decorative stuff. Z. Y. S. X., care Am. Florist.

SITUATION WANTED—As foreman in first-class commercial place; good man in all branches, married; best references. E., care Am. Florist.

SITUATION WANTED—By first-class gardener to take charge of private place; 32 years old, married; best of references. 404, care American Florist.

SITUATION WANTED—By first-class gardener in private place; good grower, plants, cut flowers vegetables and mushrooms; age 25. ILEX, care American Florist.

SITUATION WANTED—By young florist, German, as assistant in good private place; good references. Address POPE, Simpson Estate, Westchester Ave., N. Y. City.

SITUATION WANTED—By a young man, German, of 6 years' experience in all branches, fast worker, good propagator; East preferred. Address M. K., care American Florist.

SITUATION WANTED—By first-class rose grower, 13 years' experience, seven years with present employer; 32 years' old, married. JOHN, care American Florist.

SITUATION WANTED—By a young, well educated man to learn the florist trade; please state terms. Address BREHM, care H. P. Smith, 102 W. 134th St., New York City.

SITUATION WANTED—By competent young man as mail and express packer or order clerk, 5 years' experience in large retail and wholesale place. C. W. 100, care American Florist.

SITUATION WANTED—By a practical gardener, 20 years' experience; age 40, single, sober and reliable; commercial or private. J. J., P. O. box 68, Biverdale, Ill.

SITUATION WANTED—By a young German florist, 7 years' experience, and has first-class references. Address FLORIST, 409 Grand Central Ave., Industrial Grounds, Elmira, N. Y.

SITUATION WANTED—March by young man as foreman or first assistant; well experienced in roses, carnations and mums; state terms. Address FLORIST P. O., care American Florist.

SITUATION WANTED—By a first class landscape gardener and florist, 18 years' experience, married, no family; references from first-class parks and florist. H., care American Florist.

SITUATION WANTED—By experienced grower, competent to take full charge; vicinity of Chicago preferred; good wages expected or some percentage. Address A. GROWER, care Am. Florist.

SITUATION WANTED—By a young man, age 21, as assistant in commercial place, to learn florist trade; willing worker; small pay. Good references. Address E. B. S., No. 634 Kinney Ave., Chicago.

SITUATION WANTED—By a married man, German, 15 years' experience in growing roses and all kinds of cut flowers, competent to take charge of a private or commercial place. Address A. B., care American Florist.

SITUATION WANTED—By a practical gardener and florist, 20 years' experience in all branches; strictly temperate married man; private place preferred; best of references. GARDENER, Batchelder Bros., 71 Lake Ave., Cleveland, Ohio.

SITUATION WANTED—As foreman, a practical grower of roses, carnations, violets, chrysanthemums, palms, ferns, also the forcing of bulbs over 20 years; single, good references. Address FLORIST, 23 E. 43d St., Chicago.

SITUATION WANTED—By April 1st by a rose grower to take full charge of a medium sized plant where roses are made a specialty; understands his business, private or commercial. For full particulars address "WARNER," box 74, Nyack, N. Y.

SITUATION WANTED—By a young Dane in a commercial place; is used to greenhouse work; speak fairly good English is sober and has good recommendation; western states preferred. Address S. BERTESON care Nissen 240 Division St., N. Y. City.

SITUATION WANTED—As florist or gardener in a commercial or first-class private place. Scotchman; 6 years American experience. First-class testimonials from former employers. Communication solicited. Address J. L. CAMERON, care Wm. Scott, Buffalo, N. Y.

SITUATION WANTED—By first-class florist; 12 years' American experience in commercial out flowers, palms, floral work, bedding plants, etc.; management of private or commercial establishment; English, age 31; total abstainer; best references. FLORIST, 72 Wilson St., Waterbury, Conn.

SITUATION WANTED—German, 33 years old, married, who has been foreman in large commercial places in this country for the last eight years, wants situation as such, after the 12th of February. Has had seven years' European and 12 years' American experience. CHAS. JOHNSON, care Henry Timmer, 804 Commercial Ave., Jersey City, N. J.

WANTED—Wholesale and retail catalogues of plants, seeds and novelties. Address B. F. VANDERVATE, Galea, Ill.

WANTED—Partner with \$500 in florist business in a good town in Kansas. Address H. W., care Vaughan's Seed Store, Chicago.

WANTED—Two first class experienced rose growers, single men. Address, with references and wages expected, BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—A first-class rose grower, as working foreman on a commercial place; send reference from last place and wages expected. Address W. H. TRAENBLY, 271 Sixth Ave., New York.

FOR SALE CHEAP—Four greenhouses nearly new and dwelling, 4 lots 20x133, fine soil, within 100 miles from Chicago. For particulars write C. HOKANSON, Sibley, Ill.

FOR SALE OR RENT—In center of the city, 8.0 feet of glass with store, and first-class stock, cause, sickness. Address JOHN SCHNEIDER, 32 1/2 Walnut St., Kansas City, Mo.

FOR SALE CHEAP—I will sell my Maple Heights and Marlon Greenhouses (or plant), consisting of 25,000 square feet of glass; heated with steam and natural gas, stocked with the leading varieties of roses, carnations, geraniums, palms, siliacx, etc., etc., with four acres of ground, under cultivation; a cottage on the place and about forty fruit trees of the standard varieties of cherries, pears, plums, etc.; we are on three railroads with a direct line to the best flower markets in the west; only one competitor and a town of 20,000 inhabitants. Ill health the cause of wanting to sell. A great bargain to the right one. Address MRS. GEO. R. FAVELL, 322 Washington St., Marion, Ind.

FOR SALE OR EXCHANGE,

Strong healthy blooming size surplus stock of Agapanthus Alba, Tritoma Noble, finest double Dablias, Amaryllis; offers at once.

H. E. GOOLD,
Sussex, N. B., Canada.

FOR SALE.

On N. Western Ave., 2 blocks from Lincoln Ave. Electric Road, Chicago; 3 greenhouses 20x210, one 12x210, stocked with roses and carnations; lot 75x280. The ground on which the houses stand is valuable and will double in ten years. \$6,000 takes it—\$2,000 down, balance on ten (10) years' time.

A. T. JACKSON, Station X, Chicago.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 206 feet front on Belmont Ave. by 70 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL,
Belmont and Western Aves., Chicago.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF

FLORISTS' Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

A LITTLE LIGHT FOR THE MARKET GARDENER
The Market Garden, A monthly journal for the MARKET GARDENER and TRUCKER.
50c a year in advance. Send 2c for sample copy to THE MARKET GARDEN CO., Minneapolis.

VERBENA SEED.

This improved strain of Mammoth Verbena gives perfect satisfaction to my many customers, and is justly claimed the finest in cultivation; flowers an inch in diameter, in extra large trusses, of finest color.

For trade pkg. 25c; 3 pkts. 60c; 6 pkts. \$1.00.
I will here thank my florist friends for the many letters of commendation received during the past year.
JOHN F. RUPP, Shiremanstown, Pa.

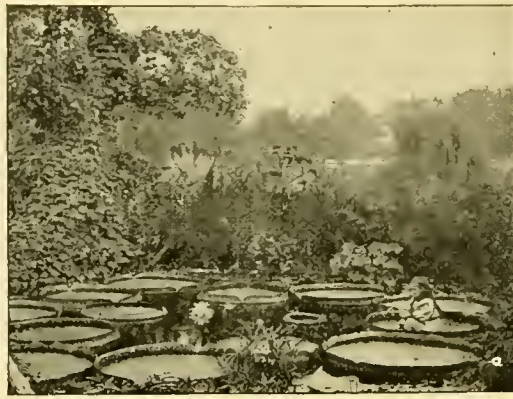
Worcester, Mass.

We have experienced the coldest weather of the season this last two weeks, the thermometer ranging from 2° to 12° below zero at night, and the way the coal pile grew beautifully less was a caution to those who think the florist business is all profit. I have heard of no one getting frozen up, but some tall firing was done to keep out Jack Frost. The dark days have not been conducive to bringing out flowers, consequently we were a little short on roses and carnations, but the supply is fully adequate now. Trade has been exceptionally good, in fact it is surprising to see how the trade holds good when all other kinds of business are complaining. The decoration business has fallen off considerably, but several fair jobs are looked for this month.

The Horticultural Society has held weekly meetings, which were open to the public, throughout the winter, but up to February 7 talks on pomology and travels have occupied the time. On February 7 the subject was floricultural talks, and it proved very interesting. O. B. Hadwen presided and F. A. Blake gave a little talk on fibrous and tuberous begonias. H. B. Watts told us all about gladioli and Willard F. Pond spoke on sweet peas and cannas, after which informal discussion was in order.

A. H. L.

PREPARE your advs. now for our special spring number to be issued March 16, and send in as early as possible.



VICTORIA REGIA.

Victoria .. Regia

Egyptian Lotus.

Water Lilies in all Colors.

Hardy Ornamental Plants, Grasses, etc., and everything pertaining to the water garden.

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CLIFTON, N. J.

THE WONDERFUL NEW ROSE

“CRIMSON RAMBLER.”

“300 BLOOMS ON ONE SHOOT.”

Fine plants from 3-inch pots now ready. We shall also have nice plants from 2 1-2 inch pots ready April 1st.

DESCRIPTIVE CIRCULAR AND HANDSOME COLORED PLATE FREE.

ELLWANGER & BARRY,

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Mention American Florist.

GIVE US A TRIAL.

ROSES, CARNATIONS, VIOLETS, HARRISII, CALLAS, FREESIAS, NARCISSUS Paper White, NARCISSUS Daffodils, ROMANS, HYACINTHS, TULIPS.

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VERBENAS Transplanted Cuttings \$8 per 1000; \$1 per 100. Rooted, \$6 per 1000. Plants, \$2 per 100. All clean and true to color. Satisfaction guaranteed, and safe arrival.
W. B. WOODRUFF, Florist, Westfield, N. J.

CLEMATIS.—Large flowering. 2 years. In variety \$3.00 per dozen; \$22.50 per 100, home grown. Imported, 3 and 4 years \$4.00 per dozen
DOUBLE DAISIES.—Snowdrift, 50c. per dozen. Longfellow and Snowflake, in bloom, \$2.00 per 100.
F. A. BALLER, Bloomington, Ill.

The Rose for the Million!!

BELLE SIEBRECHT.

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

What good judges say:

It has proved a strong, vigorous and healthy grower, and remarkably free flowering, while its very large flowers retain that beautiful clear deep pink color that is entirely its own, and the bud being so very long and pointed in shape there is no possibility of its bullheading or hooding over in dull weather, which is the case with so many other roses of this class. On the whole we are so pleased with it that we intend to plant very largely of it for Boston market. ALEX MONTGOMERY, Natick, Mass.

It is certainly a beautiful rose, but what impressed me most was first its very fine texture and substance of the foliage, which I am sure is not excelled in this feature by that of any rose in the market, and, second, the very evident indications of the free blooming habit of the plants.

With these important characteristics I feel certain that the Belle Siebrecht will prove a valuable addition to our list of forcing roses.

S. C. NASH, Clifton, N. J.

The new rose, "Belle Siebrecht," I believe is the best rose of recent introduction. First, because of its fine color, which recommends it, there being no other rose of that brilliant shade. Second, its great keeping quality; after being cut three days its brilliant shade is just as pleasing as when first cut. Third, it seems to require less skill to grow it to perfection than any other rose I know of. I believe it is going to be the rose for the million.

ALEXANDER BURNS,

Of Burns & Raynor, Wholesale Florists, N. Y.

This Rose is not a mere SPORT, but is of a distinctly new strain, being a SEEDLING, the result of a cross between the grand old La France and that strong and vigorous Rose, Lady Mary Fitzwilliam. Many of the leading rose growers who have seen this Rose growing at our nurseries have ordered from 500 to 2000 Plants. Orders booked now and will be filled in strict rotation. Strong plants ready for delivery April 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

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NEW ROCHELLE, N. Y., U. S. A.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER,
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Well Rooted Rose Cuttings of

MERMETS, BRIDES, PERLES, Etc., at \$15.00 per 1000.

2½-inch TEAS, at \$25.00 per 1000.
BRIDESMAIDS, at \$30.00 per 1000.

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ANCHORAGE, KY.

FOSTITE, A PERFECT REMEDY to

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out.

Fostite, 25 lbs \$2.00. Bellows, \$3.50. Cash with order.
Sold by all dealers and by

C. H. JOOSTEN, 3 Coenties Slip, New York.

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Wholesale Florists
RICHMOND, INDIANA.

Marie Louise Violets.
ROOTED RUNNERS.

Healthy, strong plants. **BETTER** can not be had anywhere.

ANDREW WASHBURN & SON,
BLOOMINGTON, ILL.

ROSES. ROSES.

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

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PAINESVILLE, Lake Co., OHIO.

BEAUTIES, MERMETS, CUSINS,
PERLES, BRIDESMAIDS, BRIDES,
WOOTTON, WATTEVILLES AND
Rooted Cuttings. Cash with

ROSES

BELLES, TESTOUTS, NIPHETOS,
METEOR, HOSTE, LA FRANCE,
AUGUSTA VICTORIA.
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No Special Position Guaranteed.

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No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Our Annual Spring Number.

Our annual special spring number will be issued March 16. We have some splendid special features in preparation for this number and it will be a decided advance, both in value of matter and beauty of illustrations, on any of our previous special numbers. What more can be said?

A copy of this issue will reach every buying florist in the United States and Canada. There will be no increase in adv. rates for this special number, which will be big extra value to advertisers. Send advs. early so we may have time to give them the best possible display.

ELECTRO-HORTICULTURE is the title of Bulletin 37 of the West Virginia Agricultural Experiment Station. It describes in detail a series of experiments concerning the effect of electric light on growing plants. The effect of this light was tried on lettuce, endive, spinach, etc., and on some flowering plants. While it had a marked effect on many plants the summary of experiments does not appear to prove that the use of the light is of great practical value.

MESSRS. Ellwanger & Barry, Rochester, N. Y., have issued a supplementary catalogue for 1895 in which all the illustrations are half-tone engravings from photographs. The plates are excellent and exceedingly well printed on fine paper. Here we see the full value of such engravings for catalogue work. It is worthy of study by other makers of catalogues.

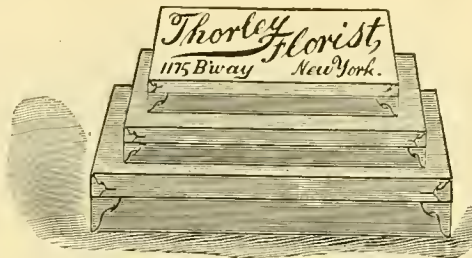
D. LANDRETH & SON, the Philadelphia seedsmen, have issued a very attractive album of views on their seed farms. The engravings are by the half-tone process from photographs and are well printed on good paper. The views acquire special interest from the fact that there are included many old buildings, some of them erected in the last century.

A California botanist is reported to have discovered a species of sequoia hitherto unknown to scientists. It is said to be closely allied to extinct species.

YOU CAN save money by printing your spring trade list in our columns.

BEAUTIFUL SOUTHERN GALAX LEAVESFor DECORATING and FLORISTS' USE.
BRILLIANT GREEN and BRONZE.
LARGE and SMALL SIZES.

A now heart shaped Evergreen leaf with long plant stems. Make up splendidly and sell well by the bunch at a large profit. Each size and color tied separately in bunches of 25 leaves. Will keep for months in cold storage or other cool places and are very popular wherever known. Write for price and sample by mail free to florists only.
CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.
Mention American Florist.



The boxes as they appear when set up for use.

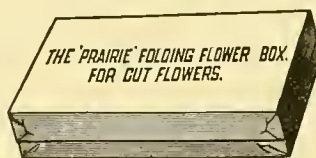
We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,NEW YORK SALESROOM:
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

**Hardy Cut Ferns,**
BOUQUET GREEN,Laurel and Green Festooning, Wreaths, Etc.
SPHAGNUM MOSS IN ANY QUANTITY.

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THE 'PRAIRIE' FOLDING FLOWER BOX.
FOR CUT FLOWERS.FOLDING
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Flowers.Made from Water-proofed, Double Manila Hoed,
Strawboard. Shipped flat, packed 100 in a crate.

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WHOLESALE COMMISSION
DEALERS IN
CUT FLOWERS.Roses, Carnations, Chrysanthemums,
Valley, Violets, etc.

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Roses, Niphetos	2.00@3.00
" Perle, Hoste	2.00@4.00
" Mermets, Cusin	2.00@6.00
" Bride, Watteville, Bridesmaid	2.00@8.00
" La France	4.00@12.00
Testout	6.00@12.00
Meteor	3.00@10.00
Beauty	50.00@75.00
" seconds	5.00@25.00
" Hybrids	10.00@25.00
Jscqs.	10.00@15.00
Carnations	75@1.00
fancy	1.50@3.00
Violets	.50@1.00
Valley	2.00@3.00
Narcissus	1.00@2.00
Dafoedils	3.00@4.00
Freesia	1.00@2.00
Tulps	2.00@4.00
Hyacinths	1.00@2.00
Harrisil lilacs	8.00@16.00
Mignonette	6.00@25.00
Cattleyas	25.00@33.00
Smilax	12.00@20.00

BOSTON, Feb. 12.

Roses, extra selected	10.00@15.00
" Mermets, Brides	6.00@10.00
" Niphetos, Perle	4.00@6.00
" Bon Silene, Gontler	2.00@3.00
" Bridesmaid, Testout	6.00@12.00
" Meteor	6.00@12.00
" Beauty	25.00@75.00
" Hybrids	15.00@30.00
Carnations	1.00@2.00
fancy	2.00@4.00
Valley	2.00@4.00
Hyacinths, freesia	1.00@2.00
Narcissus, single	2.00@3.00
double	3.00@4.00
Tulps	2.00@4.00
Harrisil, callas	10.00@12.00
Violets	50@75
Smilax	15.00@20.00

PHILADELPHIA, Feb. 12.

Roses, small	4.00@5.00
" large teas	6.00@8.00
" extra select	10.00@15.00
" Beauties	35.00@50.00
" Bruners	50.00
Lalng	25.00
Carnations	1.50@2.00
" extra	2.50@3.00
Asparagus	35.00@50.00
Violets, double	50@1.25
single, per 100 bunches	\$2.50@4
Valley	4.00@5.00
Cattleyas	40.00@50.00
Cypridiums	15.00@20.00
Smilax	15.00@18.00
Tulps	4.00@5.00

CHICAGO, Feb. 11.

Roses, Beauty, selected	25.00@50.00
" Testout, Bridesmaid, Meteor	6.00@8.00
" La France, Bride, Albany	6.00@8.00
" Mermets, Wootton	6.00@8.00
" Perle, Niphetos, Gontler	3.00@5.00
" Jscqs	15.00@18.00
Carnations, long common	2.00@2.50
" fancy	3.00@4.00
" short	1.00
Valley	4.00@5.00
Paper White, Romans, Freesia	3.00@4.00
Tulps	3.00@5.00
Dafoedils	4.00@5.00
Dutch hyacinths	6.00@8.00
Harrisil	8.00@1.00
Violets	1.00@1.50
Smilax	15.00@18.00

BUFFALO, Feb. 13.

Roses, Beauties	15.00@30.00
" Mermets, Bride, Bridesmaid	7.00@8.00
" Meteor	6.00@8.00
" Perle, Cusin	4.00@5.00
Callas, Harrisil	10.00@15.00
Carnations, long	1.75@2.00
" short	1.00@1.25
" Daybreak	2.00@2.50

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 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DUNN, 114 Chambers street, New York, secretary and treasurer.

A Testing Station Proposed.

THE AMERICAN FLORIST:—Would it not be a good all-round thing for the American Seed Trade Association to establish and maintain what might be called "A Testing Station" where an official test of seeds could be made, and a record of the same be kept to settle dispute as to their growing quality between buyer and seller. Everyone *thinks* they can test seeds, but *very few can properly*, and a great many of the methods now used for testing are, to say the least, very questionable, and the position the buyer frequently takes, if the same seeds can be bought for less money later in the season, is still more questionable. If the buyer does not want to keep the seeds, from any reason whatever, he will frequently return them on the pretext of poor vitality, sometimes after the season for selling them is over, or refuse to pay for them when the account is due. In all such cases it seems to me it would be good to have an official test, the result of which would be binding on both parties. Will give you a case of the kind to be prevented if possible: We sold some seeds last November that then tested 90 to 94%; have tested the seed since with about the same result. The seeds have depreciated on the market 15 to 20 per cent in value since the sale was made. The buyer writes on December 21 that the seeds grow only 40% and would not answer for his trade, *which is very critical* (?), etc., etc. He writes again January 26 that they grow only 50%; again writes February 1 that they grow only 60%. We wrote him that if he would keep on testing he would soon get 90%, all we claimed for the seed. But now the same seeds can be bought for less, and he is bound to return them. Now, if there was an official station where both the buyer and the seller could send a sample and have the seeds tested by a *disinterested* party, and his decision to be final and settle the matter, it would be well for the seed trade. Seeds returned to anyone under such circumstances are not worth the freight charges. No one wants seeds sent to them that have been returned by another party as of poor vitality. No one wants seeds returned to them that have been through the hands of any party who would take that course because it was (as he thought) his interest to do so. The buyer says he is right. We say he is wrong, but it cannot be settled; the seeds are returned and lost.

We had a few seeds that were not sold returned to us late in the season nearly a year ago because they did not grow satisfactorily. The amount was deducted from the bill and check sent reading "to balance account in full in to date" on the face of the check. When the seeds arrived we paid charges on them, tested them again and found them *all* of very strong growth; one lettuce showed 100%. But we had no appeal and destroyed the seeds as of no value coming from a man who would take that course. He might have returned the seeds he got of us and he might not; we gave him the benefit of the doubt.

Cannot there be some remedy suggested for this difficulty, which is on the increase we are sorry to say, and practiced by parties who would be considered above

such methods. After an official test if the seller if found to be at fault let the seeds be condemned and destroyed; if the buyer is at fault make him keep the seeds and pay for them like a man and a seedsman. Sufficient charge might be made for each sample submitted to the station for test to make the thing self supporting, and prevent any one party flooding the station with samples.

"I'll no say men are villains a';
The real, hardened wicked
Wha' hae nae check but human law
Are to a few restricted.
But, oh! mankind are unco' weak,
And little to be trusted.
If self the wavering balance shake
It's rarely right adjusted."

A MEMBER OF THE A. S. T. ASS'N.

American Seeds Abroad.

TO THE AMERICAN FLORIST; Referring to your article headed "American seeds Abroad" in your issue of January 19, you must remember that the notice published in our papers was based on the results of a very exhaustive investigation made by the *Ontario Agricultural Station* and in the United States. Assuming these reports to be true, it, it does show that there should be more care taken in the cleaning of American seed, and although Messrs. Dickinson & Co., of Chicago, are specially careful to send out seeds of A1 quality, it is quite necessary to warn our dealers that there are unscrupulous merchants in America, as well as in other countries.

Seed merchants of Great Britain do buy by sample, but the immense numbers of arbitration cases that take place in London, are sufficient to show that the deliveries are in many cases not equal to the sale sample.

If American seed is to take a prominent position in the trade of this country, your own Experiment Station must give us better results of their investigations.

LONDON.

THE COMMITTEE on agriculture have turned down the Secretary's recommendation with reference to discontinuing the distribution of seeds by Senators and Members of Congress by a vote of 12 to 2 and have reported the annual appropriation for the Agricultural Department without making any reference to the Secretary's recommendations, or changing it in any except in the amount of money to be appropriated. Mr. Latimer introduced a bill January 9 relating to the distribution of seeds, bulbs and so forth, by the Department of Agriculture, which has been referred to the Committee on Agriculture and I am informed by good authority that this bill will be reported to the House this week, with a recommendation that it be laid on the table. The following is Mr. Latimer's bill:

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That all seeds, trees, bulbs, shrubs, vines, cuttings, and plants purchased and propagated by the Secretary of Agriculture, as required by law, shall be distributed to the agricultural experiment stations and colleges in the several States and Territories, and all seeds, trees, bulbs, shrubs, vines, cuttings, and plants propagated by the agricultural stations and colleges in the several States and Territories of the United States shall be distributed to such persons as shall engage to make full test of the same under the direction of the stations, and furnish written reports of these tests on blanks to be provided by the Secretary of Agriculture, and the sum of five thousand dollars shall be allotted to each State and Territory, to be paid to the agricultural stations and colleges for the purpose of growing, and purchasing seeds, trees, bulbs, shrubs, vines, cuttings, and plants for distribution as aforesaid, and to pay the expenses of such distribution.

SEC. 2. That the seeds, trees, bulbs, shrubs, vines, cuttings, and plants distributed by the

Department of Agriculture and the agricultural stations and colleges under the provisions of this Act shall be transmitted in the mails of the United States free of charge for postage.

SEC. 3. That all Acts or parts of Acts inconsistent with this are hereby repealed.

REYNOLDS.

Notice of Dissolution

Notice is hereby given that the partnership composed of F. W. Ritter, Jr., and Lewis Harley, doing business in the city of Dayton, Ohio, under the firm name of F. W. Ritter & Co., has this day been dissolved by mutual consent. The said Lewis Harley retiring from said business. The said F. W. Ritter assumes and is to pay and satisfy all claims and debts of said firm, and he is authorized to collect and settle all claims and accounts in favor of said firm.

F. W. RITTER, JR.,
LEWIS HARLEY.

Dayton, O., Feb. 6, 1895.

MR. W. ATLEE BURPEE is in Florida.

VISITED CHICAGO: Frank T. Emerson, Henry A. Salzer, Geo. Salzer, E. M. Parmalee.

MAIL BUSINESS generally the second week in February is more encouraging, the trade prior to that time since January 1 having been disappointing.

MR. H. W. BUCKBEE, of Rockford, suggests that it would be a good plan to refer to the Department of Agriculture Nebraska applications for free seeds from persons who have never been customers of the firm they apply to; thinks the foreign seed contracts placed by the Department in France and England ought to supply them with a full hand.

NEW CROP.		Oz.	Pkt.
Alyssum, Sweet.....		20	\$0.05
Candytuft, White Rocket.....		10	.05
Canna, Crozy's Hybrid.....		25	.10
Centaura, Candidissima, 1000 seed, 50c			.25
Ice plant.....		25	.0
Maurandia.....		1 1/2	.20
Matricaria capensis.....		30	.05
Lobelia speciosa.....		1 1/2	.10
Crystal Palace Compacta.....		3 00	.25
Mignonne, Machet.....		50	.10
Mimulus, Moschatus.....			.10
Nasturtium, tall mixed.....		7 1/2	.20
Separate colors.....		20	.05
Dwarf mixed.....		20	.05
Prize pansies, leading shades.....		1 00	.10
Giant French mixed.....		1/4 oz., 50c	.25
Barnard's Florist mixture, 1/4 oz., \$1.00			.25
Petunla, large flowering, extra choice.....			.25
Large flowering, fringed.....			.50
Pyrethrum Aureum (Golden Feather).....		.50	.10
Smilax.....		.40	.10
Stocks, 1/2 lb., ten weeks, Sep. color.....			.25
Snowflake.....			.25
Sweet peas, Alba Magnifica.....	Lb.	.60	.10
Apple Blossom.....		.60	.10
Bianche Ferry.....		.50	.10
Emily Henderson.....		1 25	.15
Mrs. Sankay.....		.50	.10
Nellie James.....		.50	.10
Queen of England.....		.50	.10
Boreatton.....		.50	.10
Orange Prince.....		.50	.10
Scarlet Invincible.....		.50	.10
Thunbergia, mixed.....	Oz.	25	.10
Verbena, Hybrid mammoth mixed.....		2 00	.25
Deliance.....		2 00	.25
Candilissima.....		2 00	.25
Purple.....		1 50	.25
Mixed, choice varieties.....		1 00	.25
Vinea, Rosa.....			.10
Rosa Alba.....			.10
Mixed.....			.10
Wallflower, select, single.....			.10
Select, double.....			.25
Special 10 per cent cash discount on all Flower Seed orders given us before Feb. 2 th.			
W. W. BARNARD & CO., CHICAGO.			
Office and Warehouse, 186 E. Kinzie Street.			
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Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established.

Lil. Auratum, Spec. Rubrum and Album, Etc. Iris Kæmpleri, in 100 choice varieties. Japanese Maples, in best varieties. Camellias, Pæonies, Tree Ferns, Raphis, Etc. Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

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NOW is the time to plant VERBENA SEEDS

The progressive kind will meet your needs, And make a grand sensation; 'Tis the kind that spars the sliver half And makes progressive Florists laugh. And saves them much vexation.

New crop now ready. None but the best XXX seed offered. Will produce some grand novelties. We've had florets 1 1/4 inches across. First Premium at Mt. Holly Fair this year. 3/8 oz. 60c; 1/4 oz. \$1; trial pkt. 10c.

Hand hybridized Double Petunias, Dreer's; none better. 500 seeds 60c; 1000 seeds \$1.00.

Single fringed, Dreer's and California Giant blended, saved from the most magnificent showy varieties in cultivation. 500 seeds 30c; 1000 seeds 50c.

Dwarf French Gold striped Marigold, makes nice pot plants for spring sales. Trade pkt. 25c.

Dwarf Marguerite Carnation, all saved from fine double flowers. Trade pkt. 25c. Lots of other good things. Novelty price list, free to all.

Cash with order please. Address

J. C. GIBSON, WOODBURY, N. J.

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HIGH CLASS SEEDS AND BULBS,

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25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.

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Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

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Good assortment Clean and healthy

STOCK PLANTS.....\$3.00 per 100; \$25.00 per 1000

ROOTED CUTTINGS... 50 " " 800 "

CARNATIONS—Rooted Cuttings of leading kinds.

\$2.50 to \$3.00 per 100; \$20 and \$25 per 1000.

VIOLETS—Marie Louise, strong, from 2-inch pots.

no disease, \$4.00 per 100. Terms cash.

JOSEPH HEINL, JACKSONVILLE, ILL.

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FLOWER SEEDS FOR FLORISTS

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Fresh seed just arrived. New crop Sweet Peas just received.

Price List for florists free on application.

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FROM JAPAN.—Bulbs, Seeds, Trees, Palms, Etc.

FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.

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Orders booked up to Dec. 1 for Cycas Revoluta Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,
(Established 1878.) SAN FRANCISCO, CAL.
Oldest and most reliable Import house.

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Hulsebosch Bros.

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SELL ALL KINDS CHEAP.

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SEEDS

Of all kinds, true to name and fresh.

Jos. F. Dickmann,

1110 N. Third St., and Gravois and Oregon Ave.,
Send for my New Catalogue, FREE. St. Louis, Mo.

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Tuberose & Caladium Growers

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AND NURSERYMEN.

Contract Price List on application. . . .

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in the choicest strains, and Spring bulbs quoted in our new Trade List for 1895, now ready and mailed free on application.

Address **August Rölker & Sons,**
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Mushroom Spawn.

Fresh and Reliable.
\$7 per 100 lbs.

Special price on larger quantities.

John Gardiner & Co.,
Philadelphia, Pa.

Mention American Florist.

Baltimore.

The ground hog could not have seen his shadow on the second of February with the best pair of spectacles he could procure in the whole county, and popular opinion has it that as that knowing animal always comes out of his winter's hibernation on the second, he judges the weather by the amount of sunshine visible on emerging from his hole, and if there is enough to cast a shadow, prudently retires for another prolonged snooze. If any of the florist craft were inveigled by this belief into less watchfulness, they are regretting it now, for worse weather than followed has not been seen here in twenty-five years; and all that extreme frost, high wind and snow could do to break down the courage and test the skill of our flower growers seemed to be done in the ensuing seven days. For frost we had from four to nine degrees below zero, for snow we had gigantic drifts that blocked all the roads out of town so thoroughly that some of them are open not yet, and for wind we had howling gales that made it almost impossible to get about at all, and filled the air with snow dust that filtered through tiniest crevices, and as fast as a road or path was opened, filled it up again worse than before. For all this we have been pretty fortunate, as a class, and there seems to be no serious casualties to report. No doubt most if not all have had losses, but they have been the usual accidents that might occur during any winter.

The state of the retail trade can be imagined, during the continuance of such weather, among a people accustomed to mild winters, and in a state where frequently for several years no natural ice can be had for filling the ice houses. The retail trade simply ceased to exist, save in a spasmodic and very feeble way, and the grower had the satisfaction, at least, of knowing that, if his expenses were up, and his output down, he could still produce enough to supply the demand. Prices are much the same as before the storm, and both demand and supply are daily improving.

Two new firms are going into rose growing in the county, Messrs. Hogarth & Sons, who have leased the old Wiedey property from Brackenridge & Co., and Madsen & Anderson, who are located on Gittings avenue near Govanstown. Mr. Madsen has been in business here some time and Mr. Anders Anderson, who was for several years gardener to Mr. E. G. Miller and has extensive experience, joins him. The senior member of Hogarth & Sons, Mr. John Hogarth, after experience in commercial growing in England took a position with Miss Mary Garrett as head gardener, where he remained until the collection was given up and disposed of. His sons, who are associated with him are young men of experience and ability, and the prospect for them as well as for Madsen & Anderson is very bright indeed.

A stroll through Mr. Robert Garrett's conservatories showed a number of the seedling orchids, in which Mr. Hornick takes so much delight doing finely and several in bloom, of which more anon.

MACK.

Carnations & Violets.

Well rooted Cuttings, and perfectly healthy.

LIZZIE MCGOWAN.....	Per 100	Per 1000
PORTIA.....	\$1 25	\$10 00
LADY CAMPBELL VIOLETS, well-rooted runners.....	1 25	10 00

Cash with order.

PETER BROWN, FLORIST, LANCASTER, PA.

TWO POINTS

FOR CARNATION BUYERS.

GET THE BEST.—Here's a quartette of them: Wm. SCOTT, finest pink of solid color; ALBERTINI, peerless, in all qualities; DAYBREAK, unrivalled in its delicate flesh tones; MCGOWAN, the white of whites.

GET THEM GOOD.

—We grow them cool, root them cool, and take our cuttings from blooming stems only, carefully selected, carefully rooted, and carefully packed for shipment. Our stock is in fine health and vigor.

Our prices are \$3.00 per 100 for Scott and Albertini; \$2.50 for Daybreak, and \$2.00 for McGowan. For quantities above 500, write us. Terms cash.

ALEX. McBRIDE, ALPLAUS, N. Y.

New Chrysanthemum, PHILADELPHIA.

The great prize winner. Orders booked now for delivery March 15th.

50 cents each; \$5.00 per dozen; \$35.00 per 100.

NEW CARNATIONS UNCLE JOHN, white; THE STUART, scarlet SWEETBRIER, pink; SAMBO, crimson; \$1.00 per dozen; \$5.00 per 100, EDNA CRAIG, WM. SCOTT, 40c. per dozen; \$3.00 per 100.

NEW YELLOW DAISY (Fiddle d'Or), plants from 3-inch pots, \$1.00 per dozen; \$5.00 per 100. Wholesale Price List of new and rare plants sent on application.

SWAINSONA GALEGIFOLIA ALBA, from 2½-in. pots, 75c. per doz., \$5.00 per 100.

C. EISELE, 11th and Jefferson Streets, Philadelphia, Pa.

THE NEW WHITE CARNATION

Mrs. Mailander.

THE BEST ALL AROUND MARKET VARIETY.

Flowers large, calyx perfect, a fine keeper and large producer. Having tried it extensively for three years we can recommend it as the best paying sort ever introduced. Our stock is strong and vigorous, and we guarantee it free from disease.

	Per 100	Per 1000
We offer them, 2½-in. pots.....	\$6.00	\$50 00
Lizzie McGowan, rooted cutting.....		10 00
ROSES —Bridesmaid, 2½-inch pots.....	3 00	25 00
Brides, 2½-inch pots.....	3 00	25 00

Orders booked for delivery April 1.

TERMS CASH WITH ORDER.

OTTO MAILANDER, NILES CENTER, ILL.

NEW YELLOW CARNATION DEAN HOLE.

The most brilliant color of any in this class and a fine hold flower, with fine, stiff stem, a very strong, sturdy grower. Flowers of this variety have sold all through this season to New York at \$8.00 per 100.

Strong transplanted, well-rooted cuttings, \$30.00 per 100; \$75.00 per 1000. Ready March 1st.

I have now ready for delivery extra fine stock of

	Per 100	Per 1000
Bouton d'Or.....	\$8.00	\$70.00
Helen Keller.....	5.00	40.00
Mme. Albertini and Wm. Scott.....	3.00	25.00
Jacquinet, Sweethair, The Stuart.....	4.00	30.00
Daybreak, Iago.....	2.50	20.00
Edna Craig.....	2.00	15.00
Lizzie McGowan, Portia, Puritan, Tidal Wave.....	1.50	12.00

JOHN N. MAY, Summit, N. J.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems.

The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and exclusively for cuttings and plants.

Inspection and correspondence solicited.

Descriptive price list on application.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

MAIL LOCK THE DOOR BEFORE THE HORSE IS STOLEN DO IT NOW.

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

NEW CARNATIONS.

	per 100	per 1000
BRIDESMAID, bright clear pink.....	\$10.00	\$75.00
METEOR, deep brilliant crim. scarlet.....	10 00	75 00
STORM KING, show white.....	10 00	75 00

Ready April 1st, 1895.

UNCLE JOHN, pure white.....	5 00	40 00
THE STUART, scarlet.....	5 00	40 00
E. A. WOOD, variegated.....	5 00	40 00
GOLDFINCH, yellow-edged pink.....	5 00	40 00
WM. SCOTT, pink.....	3 00	25 00
DIAZ ALBERTINI, pink.....	3 00	25 00
DAYBREAK, pink.....	3 00	25 00

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late).

50c. each, \$5.00 per doz., \$35.00 per 100. Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON, La Fayette, Ind.

CARNATIONS

READY NOW.

Rooted Cuttings.—20,000 Daybreak; 50,000 more March 1st. Other varieties in proportion—McGowan, Mrs. Fisher, Helen Keller, Sweetbrier, Stuart, Buttercup, Iago, Scott, Albertini, Cartledge, Aurora, Portia, Dorner and others.

Write for prices, stating how many you will want of each variety. The price will be reasonable and the stock warranted well rooted and healthy, with the privilege of not accepting it if found otherwise.

A few Lancaster Beauty Verbena ready at \$2.00 per 100. This is a real good thing and a money maker.

ALBERT M. HERR, L. B. 496, LANCASTER, PA.

CARNATIONS.

Healthy, well-rooted Cuttings now ready.

	CASH WITH ORDER.	Per 100	Per 1000
Daybreak, Tidal Wave.....		\$2.00	\$15.00
Wm. Scott, Mme. Diaz Albertini, Mrs. Reynolds.....		2.50	20.00
McGowan, Puritan, Portia.....		1.50	10.00
G. Wilder, S. Spray, White Wings.....		1.50	10.00
Helen Keller, Bouton d'Or.....		6.00	55.00

A. T. JACKSON, Station X, Bowmanville, Ill.

ALL THE NEW AND TESTED CARNATIONS

OUR SPECIALTY.

Send for price list and estimates on large quantities. Large stock of WM. SCOTT.

FISHER & AIRD, ELLIS, NORFOLK Co., MASS.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

WANTED!

A good, free blooming, healthy, vigorous **Yellow Carnation**. Flowers must be perfect, of fair size and borne on long, stiff stems. There must be plenty of pips, and these easily rooted.

AND HERE IT IS—Any one of the following will fill the bill:

ELDORADO—Pure yellow ground edged with light pink. Picotee marking.

KITTY CLOVER—Light yellow striped red with a little white.

EULALIE—Yellow ground penciled with pink.

We also offer this year

PRINCESS BONNIE—A beautiful pink variegated flower of large size; and
DAISY BELL—A white, variegated similar to Chester Pride, but very much larger flower.

Send for general price list of both Carnations and Coleus.

W. R. SHELMIRE,
AVONDALE, Chester Co., PA.

THE COTTAGE GARDENS, Queens, Long Island, N. Y. WHOLESALE CARNATIONS.

CARNATIONS—ROOTED CUTTINGS
\$9.00 to \$25.00 per 1000.

COLEUS—Rooted Cuttings, 75 varieties, my selections, in 40 or 50 varieties, \$1.50 per 1000 by express; 70c. per 100 by mail.

GIANT DOUBLE ALYSSUM, 70c. per 100; \$6.00 per 1000.

LADY CAMPBELL VIOLET, \$1.25 per 100; \$10.00 per 1000.

NO RUST. NO FUNGUS. NO MEALY BUG.

WM. H. SEARCH, Avondale, Chester Co., PA.

Carnation Mrs. Fisher IMPROVED.

Strong Rooted Cuttings, free from disease, \$2.00 per 100; \$15.00 per 1000.

CHARLES EVERDING, Branford, Conn.

Carnations. NOW READY.

WM. SCOTT, from sand.....\$3 per 100; \$25 per 1000
LIZZIE MCGOWAN, from sand..... 2.50 " 20 "

The above varieties are from "specially selected stock." Do not be misled by cheap offers. Poor stock is dear at any price. Plants from soil will be ready February 15th.

CHARLES H. ALLEN,

FLORAL PARK, N. Y.

PLEASE SEND CASH WITH ORDER.

"THE CARNATIONS."

WM. SCOTT, Rooted Cuttings.....	Per 100	Per 1000	DAYBREAK, Rooted Cuttings.....	Per 100	Per 1000
LIZZIE MCGOWAN, Rooted Cuttings.....	2.50	20.00	ALBERTINI, Rooted Cuttings.....	\$2.50	\$20.00
TIDAL WAVE, Rooted Cuttings.....	2.50	20.00	BOUFON D'OK, Rooted Cuttings.....	8.00	70.00

Wm. Scott and Lizzie McGowan now ready, in any quantity, from "choicest stock!"

Cash with all orders. **DILLEDOUZE BROS., FLATBUSH, BROOKLYN, N. Y.**

THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free..	\$12.00	\$100.00
ROSE QUEEN—New, fine commercial pink	12.00	100.00
CORSAIR—The scarlet McGowan	10.00	75.00
ALASKA—New, white, large, productive	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet	10.00	80.00
WM. SCOTT—Clear pink, very free..	3.00	25.00
GOLDFINCH—The best yellow	5.00	40.00
DAYBREAK—Light pink, fine	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATIONS

Healthy well rooted cuttings now ready.

Wm. Scott and Mme Dinz Albertini..	Per 100	Per 1000
Daybreak and Tidal Wave	2.00	15.00
Lizzie McGowan, Wilder and Portia..	1.50	10.00
Buttercup..	3.50	30.00

Cash with order. 10c. per 100 extra when shipped by mail.

FERNS—Choice varieties, from 2-lb. pots \$3.00 per 100

PETUNIAS—Double Fringed, choice varieties, from 2½-inch pots..... 3.00 per 100

GERANIUMS—Flae Double and Single varieties, from 2½ inch pots..... 3.50 per 100

Cash with order. Price list on application.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.

Good, healthy stock, well rooted, ready by January 1st, 1895.

Rooted Cuttings **GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC.** Write for price list.

E. J. CLOUD, Avondale, Chester Co., Pa.

CARNATIONS

HELEN KELLER, rooted cuttings.....	Per 100	Per 1000
Out of 2½-inch pots..	7.00	35.00
Rooted cuttings of the following varieties	2.50	20.00
Daybreak, Silver Spray, Edna Craig, Lizzie McGowan, Tidal Wave and Portia.		

Also a full line of Florists Seed, all Imported, at low prices. Terms Cash with order.

E. HIPPARD, Youngstown, O.

Garnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. Its size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.

CARNATIONS.

Daybreak, Tidal Wave.....	\$2.00	per 100; \$16.00	per 1000
Silver Spray, McGowan.....	1.75	per 100; 12.00	per 1000
Helen Keller.....	6.00	per 100; 50.00	per 1000

READY NOW.

LAKE GENEVA FLORAL CO.,
LAKE GENEVA, WIS.

I DON'T THINK.

On this subject, it requires only an ordinary gentleman to disclose the fact that **CARNATIONS** make stronger, healthier stock when grown cool—on ground beds—and in a new house.

RUST has never visited us (barring Mr. David Rust of the "Exchange"), and clean, vigorous stock of the following list will be at your disposal on and after Feb. 1st, 1895.

Ophelia, new, large, medium ptk.....	\$10.00	\$80.00
Sweetbrier, plnk.....	5.00	45.00
Wm. Scott, plnk.....	3.00	25.00
Daybreak pink.....	2.50	20.00
Thos. Cartledge, carmine, scarlet at night.....	2.00	15.00
Puritan, white.....	2.00	15.00
Lamborn, white.....	2.00	15.00
McGowan, white.....	1.50	12.50
Mrs. Fisher, white.....	1.50	12.50
Portia, scarlet.....	1.50	12.50

Other standard varieties if desired.

Excellent stock of **Lady Campbell Violets** now ready. **"THE SLOPE," C. S. SWAYNE,**
KENNETT SQUARE, Chester Co., PA.

CARNATIONS.

NOW READY.

Helen Keller, Ada Byron.....	Sand	2-inch Pots.
Adelaide Kresken, Jacqueminot.....	\$1.50	\$6.00
Buttercup, Daybreak.....	4.50	6.00
McGowan, Portia, Wilder.....	2.00	4.00
	1.50	2.50

ROSES. READY FEB 15.

Rrde, Meteor.....	3.00
Bridesmaid, Perle.....	3.00

Healthy stock. Special 1000 rates.

Ferns on application—flats, 2-inch pots, etc.

GENISTAS, 2-inch pots..... \$6.00 per 100

LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES,
GLENESIDE, PENNA.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no **Rust**. Also rooted **Mums, Lady Campbell Violets**.

Send for Price List.

Wm. Swayne,
P. O. Box 226. KENNETT SQUARE, PA.

Daybreak Carnations WANTED.

In answer state quality and quantity.

Wisconsin Flower Exchange,
MILWAUKEE, WIS.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now:

5,000 BUTTERCUP.....	Per 100	Per 1000
10,000 LIZZIE MCGOWAN.....	\$3.50	\$30.00
10,000 TIDAL WAVE.....	1.50	12.00
15,000 DAYBREAK.....	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY.....	1.25	10.00
15,000 AURORA.....	1.50	12.00
50,000 well rooted runners of LADY CAMPBELL Violets.....	1.25	10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

Carnation Cuttings

EDNA CRAIG.....	Per 100	Per 1000
DAYBREAK, TIDAL WAVE.....	\$3.00	\$25.00
GRACE WILDER, SILVER SPRAY.....	2.50	20.00
McGowan, HECTOR.....	1.50	12.50
SWEETBRIER.....	2.00	15.00
	5.00	40.00

Grown cool, and only healthy, selected stock taken.

BELL MILLER, Springfield, Ill.

Orange, N. J.

The New Jersey Floricultural Society held its regular monthly meeting in Decker Hall on the evening of February 4, President Robt. M. Grey in the chair. After the routine business had been disposed of, the reading of an essay on the cultivation of carnations and the discussion that followed was the principal feature of the meeting. The paper was prepared and read by Mr. Geo. Van Qualin. He entered into all the little details from starting the cuttings up to carrying the plants through the winter. He advocated care in planting in spring not to plant too deep, giving attention during dry weather in summer to provide a liberal supply of water, specially in the case of such a variety as Lizzie McGowan. Preference was given to lifting plants in the fall with a little soil to the roots, care being advised in planting on benches that the plants should be set no deeper than they are grown out of doors, that the soil be pressed firmly about the roots, using soil the same as for roses, only chopped up a little finer, and avoiding the use of old rose soil or soil that has been used before. He advocated feeding at this time of the year with liquid manure or mulching with light manure, and giving plenty of air on every available opportunity. He regarded syringing in the short days of winter as a detriment rather than a benefit. The bunch of flowers which Mr. Van Qualin exhibited, as grown under his treatment, was evidence that he understood his subject, for the blooms were simply superb. An interesting discussion followed, participated in by many of the gentlemen present. Vice-President MacArthur exhibited a vase of fine specimen carnations in variety, and Mr. Taplin showed, on behalf of Siebrecht & Wadley, a bunch of the new rose Belle Siebrecht, which made a good impression and was favorably commented upon as a promising rose for either private or commercial use.

This society meets on the first Monday evening of each month. At the next meeting Mr. R. McInnis of Montclair, N. J., will read an essay on violets. It is possible that the club may give an exhibition next fall; this matter will also be discussed at the coming meeting. S.

PALMS.

150,000 of all the leading varieties.

FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**
1708 N. Halsted St., CHICAGO

DAHLIAS. An immense stock of the best sorts of the various classes. Prices low. in quantity.

CANNAS Barr's Mammoth, Conover's Colossal and Palmetto; special prices on large lots.

ASPARAGUS ROOTS, Fine for potting for spring sales.

HONEYSUCKLES, from 3-inch pots, \$50.00 per 1000.

AMPELOPSIS VEITCHII from 3-in. pots, \$50.00 per 1000.

CLEMATIS PANICULATA Deciduous, Evergreen, Fruit and Ornamental. Also Flowering Shrubs and Vines in variety. Send for Trade List.

THE WM. H. MOON CO., Morrisville, Pa

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

February Specialties.

We offer until sold, the following **DESIRABLE STOCK.** For early delivery **ORDER NOW.**

Our quarterly trade list has been posted to all patrons in the trade. If you have not received a copy we will forward on receipt of request, with business card.

- ASPIDISTRA LURIDA, 4 and 5-inch pots.
- ADIANTUM CUNEATUM, 2-inch pots.
- ADIANTUM CUNEATUM, 3-inch pots.
- CARYOTA URENS, 4-inch pots, 12 to 14 inches high.
- CARYOTA URENS, 4-inch pots, 15 to 18 inches high.
- CARYOTA URENS, 5-inch pots, 20 to 24 inches high.
- DRACÆNA RUBRA DISCOLOR, one of the most useful for jardinières, 4-inch pots, 8 to 10 inches high.
- DRACÆNA GLADSTONEI, 5-inch pots, 14 to 16 inches high.
- DRACÆNA IMPERIALIS, 5-inch pots, 12 to 14 inches high.
- DRACÆNA DesMETIANA, 5-inch pots, 14 to 16 inches high.
- DRACÆNA SHEPHERDII, 5-inch pots, 18 to 20 inches high.
- DRACÆNA TERMINALIS, 4-inch pots, 14 to 16 inches high.
- DRACÆNA TERMINALIS, 5-inch pots, 18 to 20 inches high.
- DRACÆNA TERMINALIS, 5-inch pots, 24 to 28 inches high.
- FICUS ELASTICA, extra fine plants, 4-inch pots, 12 to 15 inches high.
- FICUS ELASTICA, extra fine plants, 5-inch pots, 16 to 20 inches high.
- FICUS ELASTICA, extra fine plants, 6-inch pots, 20 to 24 inches high.
- CYCAS REVOLUTA, an extra fine lot, well leaved.
- LATANIA BORBONICA, 2-inch pots.
- ARECA LUTESCENS, 2-inch pots.
- KENTIA BELMOREANA, 2-inch pots.

PITCHER & MANDA (Inc.) Short Hills, N. J.

GANNAS.—VAUGHAN'S—GANNAS.

DO YOU OBSERVE

They still have 'a yellow canna better than Florence Vaughan'? Where did they come out last year on that claim? Did they make that statement purposely to deceive the public jury or not? We hope not. But to-day the question is, where will they come out this year on the same claim. Write for our Book for Florists, now ready, and we think you will find a list of cannas that did what we claimed for them **last year**, and a list of

NEW CANNAS which will do all we claim for them **this year.**

NEW YORK: VAUGHAN'S SEED STORE, 26 Barclay Street. CHICAGO: 146-148 W. Washington St.

ORCHIDS OUR SPECIALTY.

The Best and Largest Stock in the World. New & Rare Foliage & Flowering Plants.

A grand selection for Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England.

Coleus.

As fine a collection as can be found in the country.

ROOTED CUTTINGS GIANT DOUBLE ALYSSUM, &c. Send for list of prices of Coleus and Carnations.

W. R. SHELMIRE, AVONDALE, Chester Co., PA.

ROOTED CUTTINGS CHRYSANTHEMUMS

All the best new market sorts, 80c per doz.; \$4 per 100. Best market sorts of previous years, 30c per doz.; \$2 per 100. Ready for delivery Feb. 1st. Also CYCLAMEN persicum giganteum, 3½-in. \$6.00 per 100. GENISTAS, 5-inch pots, fine plants, \$12 to \$15 per 100. SMILAX, 2½-inch pots, \$2.00 per 100; \$16.00 per 1000. Address J. G. BURROW, Fishkill, N. Y.

NEW CHRYSANTHEMUMS.

Fewkes, Challenge, Daffledonze, Inter Ocean, Mrs. Hs. Mrs. Hill, Mrs. Lippincott, Dean, Mutual Friend, Bonington, Yellow Queen, Davis, Pitcher & Manda, Gray, Beau Ideal, Brimhill, and others. Sold in sets of 12 plants each under the head of "Specialties" and "Novelties." Older varieties "Selects of 1893," 16 plants, and the "Old Guard Set" of prize winners, 18 plants each. Price, \$1.00 for each set plants by mail, postage paid by me. Send for catalogue.

MEREDITH B. LITTLE, GLENS FALLS, N. Y.

Kieffer and Bartlett Pears (2 years). Abundance and Burbank Plums. Japanese Persimmons (1 and 2 years). Scuppernon, Thomas and Flowers Grapes (1 and 2 years).

Extra fine stock at greatly reduced prices.

GLEN ST. MARY NURSERIES,

G. L. TABER, GLEN ST. MARY, FLORIDA.

DON'T FORGET

That we are the headquarters for Coleus, and the originators of the Golden Queen Coleus, the only all round good yellow coleus.

	Per 100	Per 1000
Golden Queen & C. Verschaffeltii, rooted cuttings.....	\$.75	\$ 6.00
Coleus in variety.....	.40	5.00
Geraniums in flats.....	1.75	15.01
Geranium Mme. Sallerol.....	1.25	10.00
Geranium, Rose.....	1.75	
Feverfew.....	1.25	10.00
Ageratum, blue and white Tom Thumb.....	.75	
Salvias.....	1.00	
Heliotrope, four varieties.....	1.00	
Petunias, Dreer's strain.....	1.50	
Vincas, variegated and green.....	1.50	
Alternantheras.....	.50	

Cash must accompany all orders.

J. E. FELTHOUSEN, 370 Van Vranken Ave., SCHENECTADY, N. Y.

Rooted Cuttings.

COLEUS—Twenty best bedders, plenty of red and yellow, \$6 per 1000; 75c per 100. **VERBENAS**—Am pressed for room; they must go and will at \$6 per 1000, for immediate orders. You can not do better anywhere for quality.

ALBERT M. HERR, L. B. 496, LANCASTER, PA.

Tuberous Begonias

(Griffin's Strain)

Medal awarded World's Fair. Finest Strain in the World.

SEED, choicest single & double 50c & \$1 each trade pkt. BULBS, single varieties, from \$4.00 per 100. double 10.00 per 100.

Special prices on large quantities. Send for Descriptive Illustrated Catalogue.

OASIS NURSERY CO., Westbury Station, L. I., N. Y.

PLANTS, ROSES, CARNATIONS, CHRYSANTHEMUMS.

Varieties new and old, } Receive careful Orders large and small, } attention. Complete quotations mailed on application.

WISCONSIN FLOWER EXCHANGE,

MILWAUKEE, WIS

Mention American Florist.

PLANTS.

Our selection, all good, well grown, named varieties. 10 at 100 rate. Per 100
 Begonias, 20 varieties.....\$4.00 & \$6.00
 " Rex, good assortment..... 6.00 & 8.00
 " Marleata aurea..... 10.00
 Fuchsias, best varieties..... 3.00 & 4.00
 Heliotropes, 10 kinds..... 3.00 & 4.00
 Croton Maculatum, strong plants..... 8.00
 Crotons, assorted, strong plants..... 5.00
 Fimbricariae, Lady Aspent's, Capensis and
 Capensis alba..... 4.00
 Hibiscus, double and single..... 4.00
 Geraniums, double and single, bronze and
 silver..... 3.00 & 4.00
 Abutilons, assorted..... 4.00

Rooted Cuttings.

Heliotrope, best new and old..... 1.00
 Coleus, mixed, 50c; fine named..... 1.00
 Fuchsias..... 1.00
 Alternantheras, 4 kinds..... .50
 Begonias..... 1.50
 Geraniums, bronze and silver..... 1.50
 Ageratum, Brighton Beauty..... 1.00
 Ageratum, White Cap and Cope's Pet..... .75

Cash with order. If to be sent by mail, add for postage 10c. per 100 for Alternantheras; 20c. per 100 for Coleus, Heliotropes, Fuchsias and Ageratums; 30c. per 100 for Begonias and Geraniums.

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SPRING TRADE 1895 PRICE LIST.

CARNATIONS, SWEET ALYSSUM,
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Send for Circular and price list.

PANSIES.

The Jennings Strain of Large Flowering and Fancy Pansies, field-grown, nice stocky little plants—cold frame size.

THE FINEST STRAIN is what every florist wants. I think you will find mine as good as the best. Stock carried in cold frames, and orders filled any time. 100 by mail 60 cts; 1000 by express \$5.00; 5000 \$20.00. Finest mixed seed of above Pansies. pkt. 2500 seeds. \$1. per oz. \$6. Yellow same price. Cash with order.

E. B. JENNINGS, Wholesale Pansy Grower,
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Pansy Plants.

EXTRA FINE STRAIN.

75 cents per hundred; \$5.00 per thousand

ESSEX HEIGHTS FLORAL CO.,

..... BELLEVILLE, N. J.

SPECIALTIES

ALL IN THE BEST VARIETIES.

ROSES,
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Rooted Cuttings and Plants. Send for price list.

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ROSES, GERANIUMS,
 BEGONIAS, MUMS,
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A complete general line of stock.

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Large cut blooms w/ h long stems and nice foliage, bunched, \$1.00 per 100; \$8.00 per 1000.
 Cash with order.

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ASK FOR IT

If it does not reach you in a day or two.

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OUR CATALOGUE OF

N Chrysanthemums, E Carnations W and Roses.

To all applicants **FREE.**

NATHAN SMITH & SON,

167 West Maumee Street, ADRIAN, MICH.

Swainsona Galegifolia Alba.

We have the largest stock in the States of this plant, and are prepared to supply 100,000 rooted cuttings on or after March 1.

PRICE, \$4 per 100, or \$35 per 1000. 2-inch, \$6 per 100; 3-inch, \$8 per 100; 4-inch, \$10 per 100.

✉ WRITE US FOR TESTIMONIALS. AND OUR SPECIAL RATES FOR 1000 LOTS

WALTER R. CLIFFE,

Main and Johnson Streets, GERMANTOWN, PHILA., PA.

100,000 VERBENAS. THE CHOICEST VARIETIES

IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

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1,000,000 TREES

Over 1,000 varieties. Fruit and Ornamental Shrubs, Vines and Roses. All standard and special varieties. Send for Illus. Catalogue. W.S. LITTLE & CO. Rochester, N. Y. or 52 Exchange Place, N. Y. City.

"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots, \$8.00 per 100.

CHRYSANTHEMUM

GEOR. S. CONOVER, the best EARLY BLOOMING, large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$8.00 per 1000.

HYDRANGEAS, GENISTA CANARIENSIS and AZALEAS for Easter blooming. Prices on application.

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New Fuchsia LITTLE BEAUTY. 50,000

The best marketing variety ever introduced, comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100. BEGONIA Obba, from 2 1/2-in pots, \$9 per 100. GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$3.25 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist,
 4010 Butler Street, Pittsburgh, Pa.

Chrysanthemums. ... Rooted Cuttings.

Mailed for \$1.00 per 100.

THE FOLLOWING KINDS:

E. G. HILL, MRS. SCHUCHARDT,
 LOUIS BOEHMER, WM. FALCONER,
 ROHALLION, JOHN LANE.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,
 UPPER SANDUSKY, OHIO.

Rooted Cuttings.

Per 100
 GERANIUMS, single and double mixed..... \$1.00
 CUPHEA..... .75
 COLEUS..... .60
 VERBENAS..... .50
 HELIOTROPE, from 2-inch pots..... 1.50
 GERANIUM Mme. Sallerol, from 2-inch pots.... 1.50

CASH WITH ORDER.

HENRY JOHANN, COLLINSVILLE, ILL.

Ottawa, Canada.

Our first winter carnival, which opened on the 21st of January, closed on the 26th, and as far as weather and amusement are concerned was certainly a success. Brilliant illuminations, tobogganing, skating and other northern sports made an impression on our visitors that Ottawa is not a bad place to spend a few days in. The Governor's opposition to holding it so soon after the death of Sir John Thompson, and the withdrawal of his patronage, did not seriously affect the success of the undertaking, as our people did not feel like dropping it after spending several thousand dollars, and keep up mourning all winter. If the Governor's absence did affect any part of it it was the ball, as the great three hundred were a trifle shy. But the presence of George Gould and party helped it out, as a good many seemed anxious to rub up against the American millionaire. There was not anything like the demand for flowers that we expected. Except on ball day there was nothing to speak of, and that did not amount to much. I know one florist paid out more than he took in. There was a lot of people but they were not flower buyers.

The next event that should have given us a lift was the Club "daunce" on February 1. Scrim had the decorating, but as the committee bought everything by the dozen the bill did not bankrupt the house. His Excellency and Lady Aberdeen were there, and all the upper crust, but we poor florists are not much richer except in book charges.

There is no prospect of Parliament meeting. Most of the ministers are out on the stump, and as thirty days is the usual notice given everything points to dissolution. When the house is in session in warm weather there is not much use for the florist.

The Montreal boys have had all the vice-Regal patronage this winter, and they need not be surprised to see some of us doing the fakir act on Beaver Hall Hill before spring. Altogether things look blue. During December and January in this latitude the cut is small and we have to buy, and often sell at a loss, and now when the sun has got above the pine trees and roses and bulb stock is coming in there is nothing thought of but politics. One thing I am sure of, we are getting too many flower stores for a city like Ottawa.

One of them is going to give it up in the spring and stick to growing, and one or two more could be spared without the risk of making the remainder millionaires.

ZERO.
30° below to-night.



10127. 75 cts.
Mention American Florist.

New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advs., floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).
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FLORISTS.

How to Grow Cut Flowers.

By M. A. HUNT.

A PRACTICAL TREATISE ON THE CULTIVATION OF THE ROSE, CARNATION, CHRYSANTHEMUM,

And other Flowering Plants for

.. CUT FLOWERS ..

Also, Greenhouse Construction, Illustrated. Handsomely bound in Cloth, and sent to any address upon receipt of \$2.00.

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Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island.
Only 29 Kingstons in the U.S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill.
"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

\$4.98

Sounds like a dry goods price, but it isn't. It is our Special "Cash-with-the-Order" price for 1,000 Envelopes and Letterheads (the extra two cents will buy the stamp), ruled or unruled (if you want the letterheads for typewriter use say so), of a grade good enough for anybody (better than most people use), printed in our peerless style, with a neat cut in addition to your card, if you want it. When stationery that is up to date can be had at such prices, there is absolutely no excuse for using anything that is of low quality or carelessly and poorly printed.

Send a check (money order will do), say what you want on the goods, and they will go forward to you promptly by freight, unless otherwise ordered.

If you want a Catalogue, Billheads, Red-leaf Labels, Culture Leaflets—anything that good printers can make—write us.

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When writing mention the American Florist.

BOXES! BOXES! BOXES!

Three-Piece Wood Mailing Boxes.
The neatest and strongest box in the market. Send 15 cents in stamps for sample nest. We also make Cut Flower and Express Boxes. Thin Lumber sawed in order for packing.

ADDRESS **W. E. SMITH,**
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NOW IS THE BEST TIME

To order your spring supplies of Labels, Mailing, Express and Transplanting Boxes. Thin lumber any size cut to order. Printed Tags and Note Heads, Paper, Twine and Supplies. Our **PRINTED POP LABELS** save lots of time and writing. Our price list is ready—so are the labels and samples.

WILLIAMS & SONS CO., Batavia, Ill
Florists and Label Man'rs.

BOSTON FLORIST LETTER CO.,

13 Green Street, BOSTON, MASS.
Address all correspondence to 1 Music Hall Place.
Manufacture THE BEST LETTERS IN THE MARKET.
Sizes 1 1/2-Inch and 2-Inch, \$2.00 per 100. Patent fastener with each letter.
With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

Our letter is handled by all the wholesalers in Boston. AGENTS: A. Raiker & Sons, New York; M. Rice & Co., 25 N. 4th Street, Philadelphia, Pa.; F. E. McAllister, 22 Dey St., N. Y.; H. Bayersdorfer & Co., Philadelphia, Pa.; A. D. Perry & Co., 33 Warren St., Syracuse, N. Y.; A. C. Kendal, 115 Ontario St., Cleveland, O.; E. H. Hunt, 79 Lake St., Chicago; Wisconsin Flower Exchange, 131 Mason St., Milwaukee, Wis.; H. Sunderbruch, 4th and Walnut Sts., Cincinnati, O.; T. W. Wood & Sons, 6th and Marshall Sts., Richmond, Va.; Jas. Vick's Sons, Rochester, N. Y.; Dan'l B. Long, Buffalo, N. Y.; C. A. Kuehn, St. Louis, Mo.; Huntington Seed Co., Indianapolis, Ind.; Z. De Forest Ely & Co., 1024 Market St., Philadelphia, Pa.; Portland Seed Co., 171 3rd St., Portland, Oregon; A. Herman, 415 E. 34th St., New York; Geo. A. Sutherland, 67 Bromfield St., Boston; Welch Bros., No. 1A Beacon St., Boston; N. F. McCarthy & Co., 1 Music Hall Place, Boston; The Henry Phillips Seed and Implement Co., Toledo, O.; Bert Cokely & Co., 234 Church St., Philadelphia, Pa.; Walter A. Potter & Co., Providence, R. I.; J. J. Kreshover, 135 Greenwich St., New York; J. C. Vaughan, 26 Barclay St., New York; J. A. Slimmers, Toronto, Ont., Agent for Canada.

H. BAYERSDORFER & CO., WHOLESALE FLORISTS' SUPPLIES ONLY, 58 N. 4th Street, PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

M. RICE & CO., Florists' Supplies,

23 & 25 N. 4th St., PHILADELPHIA, PA.
Send for Catalogue.



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FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,
850 Montgomery St., Jersey City, N. J.

John Conley & Son, Manufacturers of TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

Vaughan's Seed Store, Box 688, Chicago.

FLORISTS' PINS.
GLASS HEADS, IN BLACK, WHITE AND VIOLET.
AUG. F. BRABANT,
54, 56 & 58 Warren Ave., New York.

LITTLE'S ANTIPEST.

Valuable Discovery of the 19th Century.
SILVER MEDAL AWARDED
 BY THE
CALIFORNIA STATE FAIR OF 1890.

This preparation is a sure destroyer of the **Scale, Woolly Aphis** and **Insect Pests** of any and all descriptions. It may be as freely used in the conservatory, garden and greenhouse as in the orchard or vineyard. It is non-poisonous and harmless to vegetation when diluted and used according to directions. It mixes instantly with cold water in any proportion. It is **Safe, Sure** and **Cheap**. No fruit grower or florist should be without it.

Send for Circulars and Price List.

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Cut Flower BOXES

Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

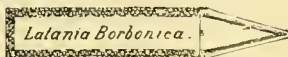
Plant Stakes.

1/4, 5-16, 3/8, 1/2, 5/8, 3/4, and 7/8-inch square cut to lengths wanted.

When asking prices state sizes of boxes or stakes and quantity wanted.

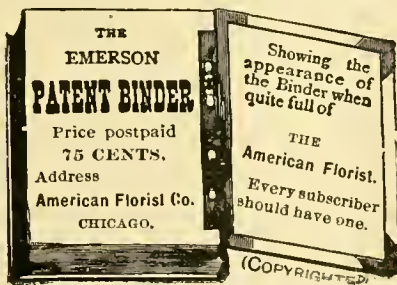
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THE ACME AJUSTABLE FANCY Metal Pot Label.



Valuable for Conservatories, Exhibitions, Florists Store Windows, Seed Pans, etc. Manufactured from decorated tin and brass, of neat appearance, will last for years; holds removable card board for name of plant, always legible, protected from moisture by transparent mica. Size, 5 3/4 inches long, 1 inch wide. Send for descriptive circular. Tin Labels, price per 100 \$1.75. Tin Labels, sample dozen, postpaid, 30c. Brass Labels, price per 100, \$2.25. Brass Labels, sample dozen, postpaid, 35c.

Hermann Rölker,
 218 Fulton St., NEW YORK.



Always mention the American Florist when writing to advertise.



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2102 Axtell St., CLEVELAND, OHIO, Nov. 12, 1891.
 LOCKLAND LUMBER CO., Lockland, Ohio.

Dear Sirs:—In reply to yours of the 31st, we would state that the Cypress lumber furnished us by you is in every way satisfactory. We would gladly recommend anybody contemplating building to use it and no other. Yours Respy., PHILIPS & BURGER.

Green-House Material.

The finest **CLEAR CYPRESS** used.

For circulars and estimates ADDRESS

LOCKLAND LUMBER CO.
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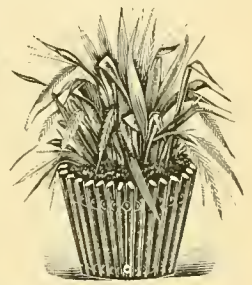


Pat. Plant Tubs.

NEW IMPROVED
ORCHID CRIBS.

A full line of
Florists Baskets
 AND SPECIALTIES.

Write for Illustrated Catalogues.



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ESTABLISHED 1866.
FLORISTS WIRE DESIGNS
 MANUFACTURED BY
N. STEFFENS
 335 EAST 21ST ST. NEW YORK.

SHIPPING BOXES

FOR CUT FLOWERS.

Have you ordered some of these yet? The best and cheapest box on the market. Also the lightest and strongest—“weighs about 4, strong as 40 pounds.” “Saves its cost in a week on reduced express rates; we call it ‘The Perfection,’ and that’s what it is.” Prices wonderfully low. Send for circular at once. **G. C. WATSON, Philadelphia.** Seeds, Bulbs and Plants (Wholesale only) 1025 ARCH ST.



D. H. ROBERT,
 132 & 134 South Fifth Ave., NEW YORK.
NATURAL GAS MADE GLASS,
 for Rose Houses, Conservatories, Etc., Etc.

GLASS, ROCK BOTTOM PRICES. Send for Estimate. Satisfaction guaranteed.
REED GLASS CO.,
 102 South 5th Avenue, NEW YORK CITY.
 Mention American Florist.

“ROSE LEAF” EXTRACT OF TOBACCO, INSECTICIDE,

Death to Aphis, Red Spider, &c.
WRITE FOR PAMPHLET.....
 - LOUISVILLE SPIRIT CURED TOBACCO CO., -
 LOUISVILLE, KY., U. S. A.

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 Edw. Schmid, 712 12th St., N. W., Washington, D. C.
 F. Macrae, 1138 Smith St., Providence, R. I.
 E. H. Hunt, 68 Lake St., Chicago, Ill.
 C. A. Knehl, 1122 Pine St., St. Louis, Mo.
 Mention American Florist.



Kills Mildew and Fungus Growth.
 What does?
GRAPE DUST.
 Sold by Seedsmen.

Mention American Florist.

Toronto.

The bad weather is the sole topic of conversation these days, business is simply frozen up, the thermometer descended to 21° below zero on Tuesday and it could not get above zero until the Saturday after. On Friday it stood at 10° below with a howling wind blowing, this was a terrible day for florists and I can hardly see how some can have escaped being bitten, reports will come in this week no doubt. At this date (11th) the air feels comparatively balmy with 18 degrees of frost. It is perhaps a little consolation to know that we have not been served worse than our neighbors, in many instances not so badly. Luckily too there is a great deal of snow on the ground, which will prevent plants not quite hardy in this locality from being killed altogether. For a wonder the coal merchants did not put up prices this time, and we were able to warm our houses at a reasonable figure. But it did take a lot of coal! economy was not to be thought of. E.

American Pomological Society.

At the biennial meeting of the American Pomological Society held recently in Sacramento, Cal., officers for the ensuing term were elected as follows: P. J. Berckmans, Augusta, Ga., president; C. L. Watrous, Des Moines, Ia., first vice president; G. C. Brackett, Lawrence, Kans., secretary; Benj. G. Smith, Cambridge, Mass., treasurer. The society was very hospitably entertained by the citizens of Sacramento.

Neponset Flower Pots

of Waterproof Paper, are sold as follows:

Terms—Net cash with order. If ordered shipped by freight, add 50 cents cartage.

Size	Packed In Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2 1/4 inch	1,000	about 20 lbs.	30	\$2 00
2 3/8 "	1,000	" 23 "	30	2 30
3 "	1,000	" 34 "	35	2 80
3 1/2 "	1,000	" 45 "	50	4 00
4 "	500	" 76 "	40	5 00
5 "	500	" 110 "	90	8 30
6 "	500	" 150 "	150	13 35

Standard Pot Measure. Less quantities than full crates at 100 rates.

F. W. BIRD & SONS, Manufacturers. Address orders to our Agents.

August Rölker & Sons
136 W. 24th St., NEW YORK.

Standard Flower Pots.

10 per cent. off for cash with order. Special discount on large orders. We carry a large stock on hand of good strong pots.

PRICE LIST OF STANDARD FLOWER POTS.

1 3/4-inch pots, per 1000	\$ 3.00	6-inch pots, per 1000	\$22.00
2 "	3.25	" "	35.00
2 1/4 "	3.50	" "	50.00
2 3/8 "	4.00	" "	75.00
3 "	5.00	" "	100.00
3 1/2 "	7.25	" "	15.00
4 "	9.00	" "	20.00
5 "	13.80	" "	40.00
6 "	16	" "	75.00

Address HILFINGER BROS. POTTERY, FORT EDWARD, N. Y.
August Rölker & Sons, 136 & 138 W. 24th St., New York City, New York Agents.

FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc. Making a Specialty of

Florist Standard Pots

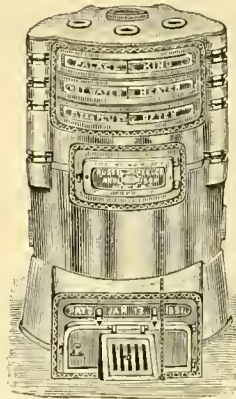
Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, P. O. Box 78, Minneapolis, Minn.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

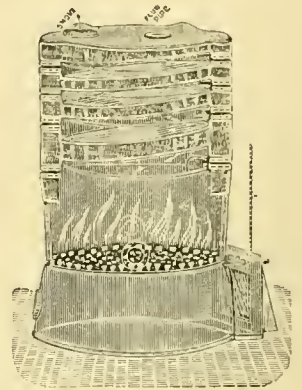
PALACE KING HOT WATER BOILERS

ESPECIALLY DESIGNED FOR GREENHOUSE HEATING.



WRITE US.

Russel Wheeler and Son,
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FLOWER POTS

The Whilldin Pottery Company,

713, 715, 717 & 719 Wharton St., Philadelphia, Pa.

BRANCH WAREHOUSES:

Randolph Ave. and Union St., Jersey City, N. J.
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STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all. Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO. OFFICE: 403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS.

We will furnish you with prices on application, and will fill all orders promptly. Our Pots are excelled by none in the market.

THE PARMENTER MAN'FG CO., EAST BROOKFIELD, MASS.



Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere.

CAMBRIDGE TILE MFG. CO., Covington, Ky.

STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

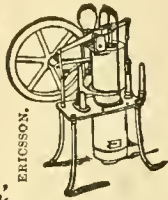
Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

PITTSBURGH CLAY MFG. CO., New Brighton, Pa.

WATER

For Your
**GREEN HOUSE,
ROSE HOUSE,
NURSERY,
Conservatory, Lawn,
House, Garden, Stock
or any other purpose.**



Send for Illustrated Catalogue
OF THE
**DE LAMATER-RIDER AND
DE LAMATER-ERICSSON
PUMPING
ENGINE.**

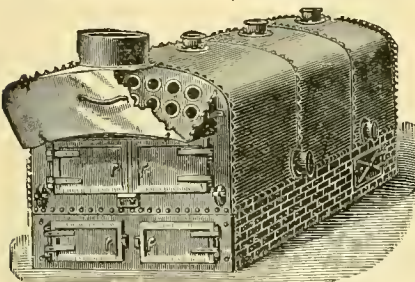
**HOT-AIR
PUMPING
ENGINE.**

Their operation is so simple and safe that a child can run them. They will pump water from shallow streams or any kind of well. They can be arranged for any kind of fuel. Capacity 1,500 to 30,000 gallons of water a day, according to size.
The De Lamater Iron Works,
87 South Fifth Avenue,
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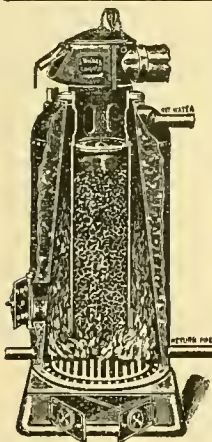


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IMPROVED

Greenhouse Boiler,
41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.



WILKS HOT WATER HEATER.
BEST IN USE
FOR GREENHOUSES,
LARGE and SMALL.
All Steel. No Coils or Cast Iron Sections.
SEND FOR CATALOGUES.
WILKS MFG. CO., 123 S. CLINTON STREET, CHICAGO, ILL.

WOOD LABELS,

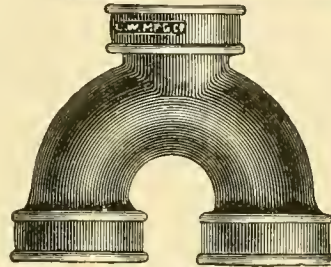
of Superior Quality, for NURSERYMEN and FLORISTS.
Best pattern of 2 1/4-inch, printed and wired. "Highly commended" at Convention American Florists at Atlantic City.

ADDRESS **BENJ. CHASE, Derry, N. H.**

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ELECTRICAL AND MECHANICAL EXPERTS,
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Atlantic Building, **WASHINGTON, D. C.**

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Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

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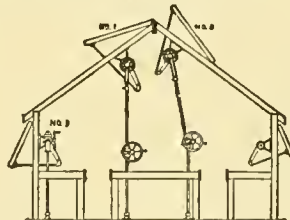
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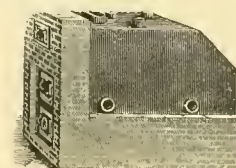
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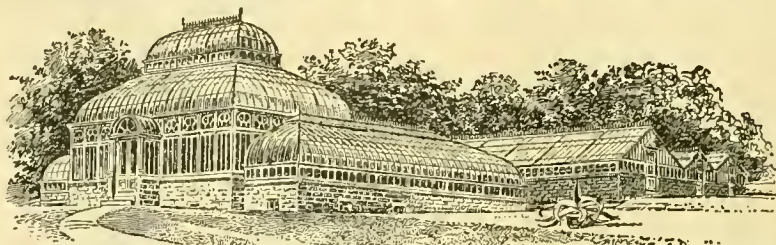
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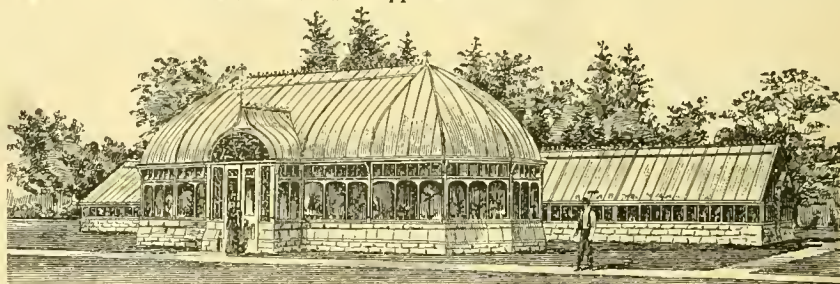
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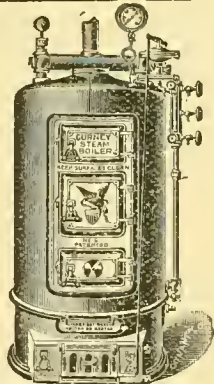
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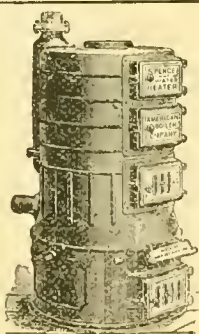
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Vol. X.

CHICAGO AND NEW YORK, FEBRUARY 23, 1895.

No. 351

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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Exports and Imports.

Statistics recently issued by the Treasury Department at Washington show that during the last fiscal year the exports of plants and nursery stock were valued at \$140,415, and of cut flowers \$1,588, going principally to the Dominion of Canada.

The imports of plants and nursery stock were valued at \$124,143, principally from France, England, Holland and Canada.

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Meeting of the American Carnation Society at Boston.

Horticultural Hall was a busy spot very early on the morning of Thursday, the opening day of the Carnation Society's meeting. The visitors had arrived on time, and with boxes and crates had taken possession of the upper hall. It did not take long to realize from the quantity and quality of the flowers as they were unpacked that the display was going to be far in excess of what anyone had looked for and the first carnation exhibition in America worthy of the name was about to be inaugurated.

The opening session of the society took place at 11:30 a. m. when the audience, which nearly filled the lower hall, was called to order by President N. T. Kidder, of the Massachusetts Horticultural Society, who briefly extended to the American Carnation Society a cordial welcome to Boston and to the halls of the Massachusetts Society. He congratulated the young organization on its prosperity and secure establishment, and assured them that the old Massachusetts organization looks kindly upon the prosperity of these young offspring. Mr. C. W. Ward responded on behalf of the Carnation Society. He said it was indeed a pleasure to perform this duty, and that he knew of no city in the Union to which the Carnation Society would go with greater pleasure for an annual meeting than to Boston. He paid a pleasant tribute to Boston's world-wide reputation for hospitality, and asserted that the welcome extended to them and the preparations made for the society's reception here exceeded anything in their past experience.

Mr. A. M. Herr was elected secretary to succeed Mr. C. J. Pennock, who sent a letter declining to serve another year.

President Dailedouze then read his annual address as follow: "Ladies and gentlemen, and members of the American Carnation Society: Your president will only make a few brief remarks on carnations, which have suggested themselves after travelling through some parts of the carnation centers, and learning the feelings of our carnation growers, particularly as regards new varieties. We find to-day that we are face to face with the fourth annual meeting of the American Carnation Society, and I venture to predict that it will surpass all others in attendance, exhibits and last, but not least, in securing new members. That the

majority of our members are in search of new varieties there can be no doubt. We all want carnations superior to the kinds we are growing, and this fact has become the tie that binds our society together. How then are we to know the merits of these new varieties other than their exhibition values? I beg to submit a plan for your consideration, discussion, and I hope, action. In my opinion, we should follow the practice pursued by the American Chrysanthemum Society, in having judges in all the carnation centers; members who, without favor or prejudice will pass on the merits of new varieties as far as practicable. The plants should be seen growing not less than twice in the season, so that the judges may be able to report fully the particulars of each variety at our annual meetings. There are many fine kinds fit for exhibition purposes. One thing I would call attention to. I would ask the judges (if any are appointed) to be careful to give the weak points of all varieties, as well as the good ones. I do not believe any judge or judges can give a carnation its full merits on the exhibition table, except for exhibition purposes. I would also suggest that we offer gold and silver medals for new varieties. I do not think it matters whether the value of the medal be five dollars or one hundred dollars; its bestowal would simply show the inherent worth of the variety to which it was awarded in the judges estimation. In my opinion no variety of carnation should be awarded a medal until it had been tested in five or six distinct localities, and reported on at our annual meeting. This report would be all that was necessary to decide the medal problem. Those who do not care to have their varieties tested would require to be satisfied with certificates of merit. It would be well to have the florists testing new varieties to give descriptions of the houses the plants were grown in, composition of soil, and as near as possible, the kinds the newcomers resemble. It does not hold because a variety fails in one section of the country that it is altogether useless. We have many examples to-day that contradict that theory, such as Mrs. Fisher, Lizzie McGowan and Tidal Wave. I sincerely hope, gentlemen, you will take some action on these remarks. If the plan I have outlined be carried out successfully we would have for our meeting the most interesting paper our members ever listened to, besides, it would obviate the necessity of anyone writing a review of new carnations. I cannot say that I am in favor of showing only six blooms of a new variety in competition for prizes. We should have at least fifty blooms. One can sometimes show six and take the honors, whereas if the number called for was fifty, the result would be quite different. This point would create a vast difference on general effect, stem and calyx. None of us to-day would think of dissem-

inating a new variety without having a thousand plants of it, and if fifty blooms cannot be shown the variety would not be worthy of being put in commerce. I would also advocate the showing of a plant or two of new varieties. This would give us a chance to see their habit and character of growth. It has been advanced by some of our members that carnation growing for cutflowers and for cuttings should be two distinct things. I cannot agree with that statement. I claim you must have a carnation in the best possible condition to produce the best flowers; hence the cuttings taken from this stock should be the best we can secure. There is no science displayed in growing carnations for cuttings, but lots of it in producing the best flowers. This fact may be illustrated as follows: any grower desiring to change his stock of any variety would naturally first look at the quality of the blooms the stock was producing, before dispensing with it; there would be little satisfaction in securing stock that was not superior to that which he was growing. If you follow up a man's flowers you can readily conclude what his stock is like; no poor, half-grown plant ever grows first-class flowers. Before concluding I should like to ask our members to take some action on the exhibition of new varieties for honors that have been grown under glass all summer. This method changes the character of stems and flowers and a poor variety invariably produces good flowers. This is a misleading method as plants grown otherwise act in many cases quite differently."

After the reading of the secretary's and treasurer's reports a communication from the nomenclature committee was given. The following judges on the exhibition were appointed: On seedlings, Edwin Lonsdale, C. H. Allen and H. K. Southworth; on cut flowers, John D. Twombly, Robt. Craig and E. G. Gillette; on *Florist Exchange* special premium John D. Twombly, Robt. Craig and E. G. Hill. A proposition from the A. T. De La Mare Printing and Publishing Co. to publish for the use of the society a full report of its proceedings in return for the control of advertising privileges in same and other considerations, same to be complete by February 23, was accepted.

Mr. Wm. Swayne then read his paper upon "Carnations from the cutting to the field." Mr. Swayne in the course of his essay said that the most essential point for success with carnations was to begin with good healthy stock. In preparing the cutting bed the first thing to be done was to thoroughly clean and whitewash the boards. His practice then was to put an inch or two of soil in the bed over which an inch or more of sand was spread. He advocated the taking of cuttings during the early part of the day, when the plants are in their liveliest condition. A thorough watering as soon as placed in the cutting bed, shading for a week or ten days, and then exposure to the full sun. The plants he said would require no more water until they were ready to take out, and he would advise that spraying be not indulged in. With bottom heat the young plants would be ready within 30 days and without bottom heat it would take 45 days. Some varieties, such as Buttercup and Wilder, gave much better results with bottom heat than without. He urged necessity of taking at once out of the bench as soon as ready, and as a further guard against fungus he advised low temperature and plenty of fresh air. The future crop of flowers he maintained depended largely

on the care given the plants in their early stages.

The discussion that followed was quite animated, and was participated in by Messrs. Ward, Lombard and others. Mr. Ward did not believe in the plan of bedding soil under the sand on the cutting bench. He had tried it and got fungus as a result. He believed in shading the cuttings and syringing on every bright day, and thought that the same houses with the same light and temperature as given to the growing plants was best adapted for the rooting of cuttings. Mr. Lombard's experience was that a bottom temperature of 60° to 65° and top temperature of from 45° to 50° was about right. His propagating bench was on the north side, where the sun never reached, and he found that the cuttings required watering every other day. This he thought more in accordance with nature than putting in sunny houses and providing shading. Speaking of fungus in the cutting bench Mr. Dailedouze said that the best protective was to replace frequently with new boards. Mr. Lombard thought that the fungus was more apt to appear when the sand was too deep, and that two inches of sand was sufficient. Mr. Chitty's theory was that the use of sand a second time was a prolific cause of fungus, and advocated a new batch of sand for each lot of cuttings. Mr. Ward claimed that a thorough drenching with water in which a few drops of carbolic acid had been mixed, the sand being then allowed to dry out thoroughly, removed all liability to fungous contagion, and that under this method sand could be used several times with impunity. Mr. Chitty favored a temperature not exceeding 45° in the cutting bench at any time, as liable to make more sturdy plants. This was disputed by Mr. Hill, who thought such a temperature would result in a low state of vitality. His belief was that cuttings should be kept in a temperature corresponding with that in which the plants from which they were taken had been grown. He found no trouble in using sand a second time in the early part of the season, but from the present time on the liability to fungous growth was much greater.

It was then announced that the committees would defer action on the exhibits until 2 p. m. in order to give late arrivals an opportunity to stage their flowers. The meeting then adjourned to 2:30 p. m.

THURSDAY AFTERNOON.

The first business at the afternoon session was an essay by Mr. J. L. Dillon on carnation plants for winter blooming. Mr. Dillon emphasized the necessity of beginning with good stock, strong cuttings, no matter from what part of the plants they come, being the first consideration. His method is to dip cuttings in a solution of copperdine, or any of the other compounds of like nature, before inserting in the sand, syringing once a week with the same solution after rooting and throughout the season. He cautioned against setting plants in the field too deep and advised thorough cultivation between the rows. He advocated hard pinching to prevent blooming and strengthen the stock, a process required more by the early varieties than by the late bloomers. He had tried irrigation and saw little benefit to be derived from it, and much danger in a season inclined to be wet. He preferred planting in ridges in the field, plants six inches apart by three feet in the rows, thus leaving free passage for the cultivator and securing more fibrous roots.

Mr. W. B. DuRie then read an interesting paper on the care of carnations during the winter. He gave much practical advice from the beginning to the end of the process, laying special stress upon the value of starting right. Cultivation in the field, soil trenching, watering, transplanting, housing and all other processes were carefully gone over, he making the truthful assertion that it is necessary to have every link in the chain secure, as one mistake may mean success or failure. He favored the short-span-to-the-south system in building, advocating overhead heating and condemning bottom heating for both plants and cutting benches.

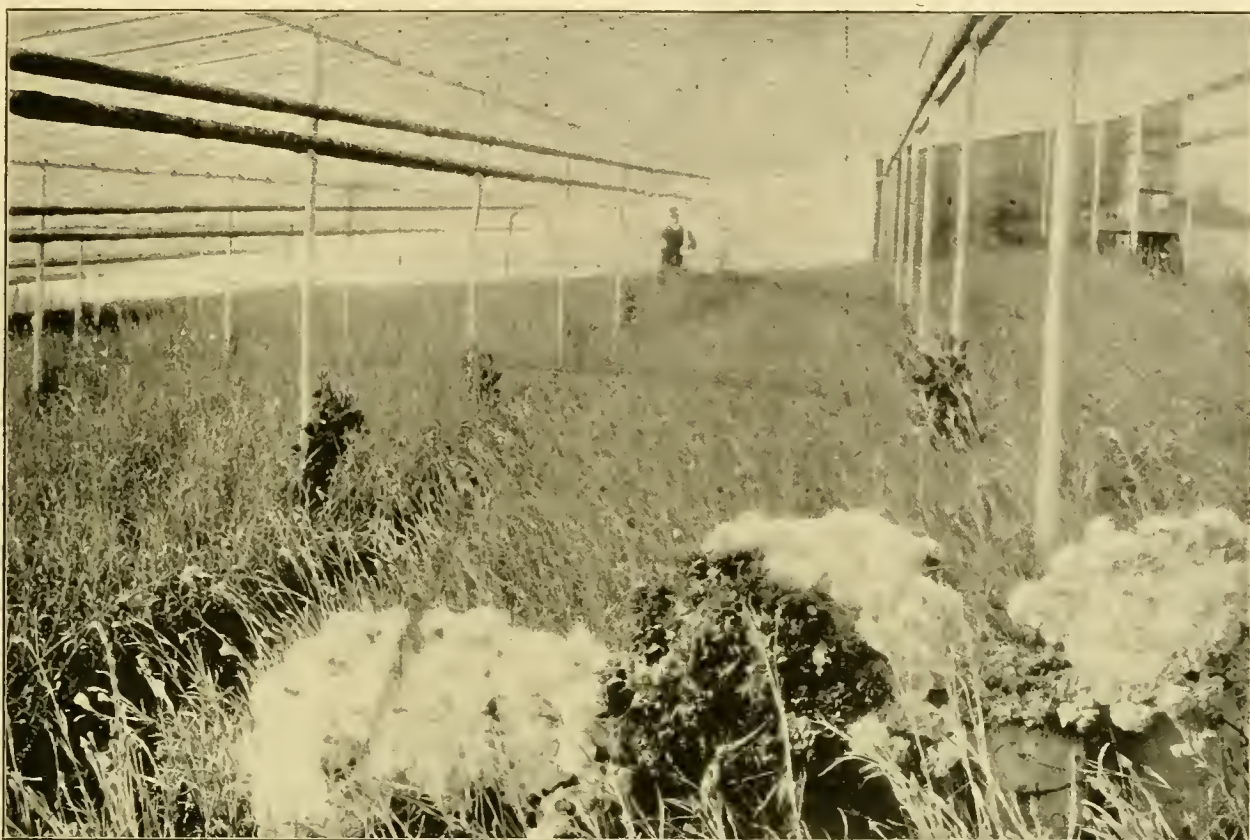
The report of the seedling committee was then read and certificates of merit were awarded as follows: To Maud Dean, Lena Saling and Dean Hole, exhibited by John N. May; Storm King and Meteor, by Cottage Gardens; Armazinda and Triumph, by E. G. Hill; and Della Fox, by Myers & Santman. The committee commended the action of Myers & Santman in having sent a plant of Della Fox for exhibition, which gives those who are interested an opportunity to judge of its manner of growth, flowering qualities, etc. It also recommended that the American Carnation Society insist upon at least one plant of all seedlings in competition for certificates of merit or medals, accompanying the flowers, and that not less than fifty flowers constitute an exhibit.

Mr. C. H. Allen gave a short talk on the advantages of disbudding, of which the following is an abstract: This question can be answered in one sentence. We get a better price for our carnations, it certainly makes a better flower, the same as a chrysanthemum and a rose when it is disbudded. I came to that conclusion some time ago although a great many say that it does not pay to disbud when there is call for the flowers for funeral work. If they could dispose of all their flowers in that way it would not pay to disbud. A part of the growers in the neighborhood of New York have said that it does not pay for them even in the New York market to disbud, you must educate your customers up to the better flowers, and even to paying a little more for their flowers for the sake of having the better ones. I notice that when the price goes down at all the poor ones are the very first to suffer. A reputation for fine stock brings you a better price right through the year.

THE BANQUET.

The banquet given by the Gardeners' and Florists' Club in honor of the American Carnation Society was the most brilliantly successful affair of the kind ever done in Boston. The grand banquet hall at the Brunswick was indescribably beautiful; the floral decorations contributed with profuse liberality from the many rich private collections and the leading commercial establishments of Boston and arranged under the skillful supervision of the industrious decoration committee were of a character rarely if ever equalled on any similar occasion. One hundred and twenty-five gentlemen participated, and the speaking, music and other features of the evening were fully worthy of the occasion. The last course having been disposed of President Stewart opened the after-dinner exercises by a few words of welcome. He said:

"I now become my pleasant duty to extend to you on behalf of the Gardeners' and Florists' Club of Boston a hearty welcome. The brave struggle for high position which the carnation has been



MR. C. S. SWAYNE'S 50-FOOT WIDE HOUSE. [SEE PAGE 704]

making in recent years we all recognize, and I think no one will question that the measure of success already achieved is largely due to this young society, the secret of whose vitality lies in the fact that her members are all enthusiasts and are in it not alone for the profit it yields but because they love the divine flower for its own sake. Among our guests here I see the faces of many gentlemen high in our profession; men whose names are linked with the grandest achievements in American horticulture, by whose presence here we do feel highly honored. Some of you have come a long distance; you have brought your choicest treasures, the products of your skill and devotion, and have spread before our eyes a marvelous feast. This meeting and this exhibition will, I believe, go down into horticultural history as marking the beginning of almost a new era in carnation culture, and in the distant future as they tell of these times and your accomplishments they may well say "There were giants in those days." But I will not detain you longer as I know you are all impatient to hear from the many eloquent speakers who will entertain us this evening. Our only regret is that you are obliged to meet at a season when we can not show you the parks and gardens, the lovely suburban environs which are the glory and the beauty of Boston. That you will make yourselves at home while here, that your stay may be one of uninterrupted enjoyment, that your proceedings may be productive of much good and that when you go away it may be with the feeling that you are glad you came and a resolve to come again, and often, is our heart-felt wish."

He then introduced as the toastmaster of the evening Mr. Lawrence Cotter, vice-

president of the club. Mr. Cotter received a grand ovation. His first call was upon President Dailledouze of the American Carnation Society, who responded for that society briefly, pleading inability to express the feelings which animated him and his gratitude at the reception accorded his society. A letter from President Kidder of the Mass. Horticultural Society was then read, after which Secretary Manning of that organization was called upon to respond. Mr. Manning told of the society's honorable record during the sixty-five years of its existence, and related how some sixty years ago one individual had exhibited in their hall thirty varieties of carnations. He spoke in complimentary terms of the American Carnation Society's great exhibition. The next toast was the Society of American Florists, President Lonsdale responding. He referred to the approaching meeting at Pittsburg, which he predicted would be an occasion of great enjoyment, and urged a full attendance. The decorations on the banquet tables and the whole entertainment now in progress he praised in the highest terms and claimed that had it not been for the Society of American Florists this occasion would not have taken place. President Chas. H. Allen of the New York Florists' Club was next called upon to respond for "Our Sister Clubs." He made a particularly bright, and at times, humorous speech, which gave much pleasure. He advised every florist not yet a member of a florist's club to get into one at once and let it be one as near like the Boston club as possible.

The Chrysanthemum Society of America came next, and Vice-president E. G. Hill responded in a grand speech. He applauded the general good fellowship ex-

hibited on this occasion, which he said gladdened his heart and filled his soul with joy. He told of the beneficent influence of the Chrysanthemum Society and the good effects of the popular exhibitions, and had a good word to say for all the horticultural interests. His address was replete with anecdotes told in his inimitable style.

The American Rose Society was represented by its president, Robert Craig. Mr. Craig's speech was one of his best efforts. He praised the supreme good fellowship of the gardeners of Boston and of America, declaring that never before in the world had such an exhibition been staged as they had seen in Horticultural Hall to-day, and nowhere outside of America was such a show possible. We do not claim enough for our profession, he said. It stands higher than high art, and the workers in the soil are gradually coming to be entitled more and more to honor and respect throughout the world. The time is fast coming when gardening will get its just due. The toast "Our rivals the rose growers" was assigned to Mr. J. N. May, who quoted from Dean Hole's eloquent introduction to his book on roses, and told of that renowned gentleman's tribute to American roses as he had seen them during his visit here, in which he said they were a revelation to him, and unmatched elsewhere in the world.

Prof. B. M. Watson was next called upon to speak on behalf of the horticultural schools. He characterized the speaking on this occasion, and the grand exhibition in Horticultural Hall as indicating the best kind of horticultural education. He said you cannot turn out a gardener in any school ever made. They can teach the A B C, but all the schools in Chris-

tendom could not make a show like this. What we know we learn from the past experience of gardeners. He described how the boys at the Bussey Institute are required to work, and claimed that all they could expect to do is to give the boys a good start in the right direction.

H. L. Sunderbruch, the Adonis of the society, was called upon to respond for the wholesale trade, but having left early his townsman E. G. Gillett spoke briefly in his stead. The wholesale men got full credit from Mr. Gillett for their usefulness. The seedling industry was responded to by Fred Dorner, the rooted cutting industry by A. M. Herr, and the carnation of the future by C. W. Ward, who made a facetious prediction as to the immense size and disproportionate price the carnation would soon reach at its present rate of progress, and predicted increasing popularity for this flower. Other toasts were the ladies, responded to by Major Bonafon, the carnation belt, by Wm. Swayne, and the horticultural press by D. B. Long. Mr. Long thought that the horticultural press was well able to take care of itself, and was last becoming a necessity to the trade. He did not forget to say a good word incidentally too, for Buffalo and her eloquent orator Great Scott. W. K. Harris was introduced as the successor of Tennyson, a great tragedian as well as poet, and gave a characteristic talk ending up with a witty rhyme. H. E. Chitty said that the Boston people had received the carnation society as though they were a delegation of angels from paradise, and that he would remember this experience as one of the pleasantest episodes of his life. Judge Hoitt carried the house with him as he paid his respects to the toastmaster, Major Bonnafon and others of his friends as he alone can do it. Speaking of the exhibition, which he characterized as the supreme effort of the Carnation Society, he said that nothing in the way of an example of skill in culture and art had ever been shown in Boston equal to this. A few more such experiences and he would get the fever on and go into the flower business again. J. H. Woodford, John Galvin, Ed. Hatch, P. Welch, Jackson Dawson, M. H. Norton, E. M. Wood and several others of the local fraternity made brief and entertaining addresses. Mr. Wood quoted Shakespeare, Burns and several other famous authorities with such readiness as to excite envy in several of the experts in this special line. An orchestra furnished fine music, and songs were rendered by Wm. Plumb, Alex. Wallace and Charles J. Dawson, the latter singing an original composition specially applied to this occasion. Lawrence Turley set the audience fairly wild by his dramatic recitations, but met a serious rival in Warren Ewell, who outdid himself in one of his grand specialties. The concluding speech was made by Charles Seeller, after which Annie Laurie was sung by Mr. Craig, and at one o'clock, on Washington's Birthday, the party reluctantly broke up after a rousing vote of thanks to the toastmaster of the evening, who had covered himself with glory by his witty and pertinent introductions.

Carnation Notes.

By the time these notes reach the readers of the FLORIST the American Carnation Society will have held its annual convention. What will be done? What gained? Will the grower who has put a new variety upon the market give to the trade all the faults as well as all the virtues of his novelty? Will the grower who has found a sure and reliable cure for rust,

bacteria, purple joint, give his remedy unreservedly to the public? Will he who knows positively from actual experience how to check the ravages of the red spider give to the sufferers from this pest his method of treatment? Will all those who have been troubled with any of the blights or other ailments to which the carnation is subject, send to the question box a little slip requesting information on the subject?

It is granted by all that the carnation society is composed of many of the best growers in the country and at no time could questions be answered better than during the convention. Many lose sight of this fact and regret when too late that they had not taken advantage of the chance or what is better still, attended the meetings and there and then conversed with those who have been troubled with the same failures. Some will say, "we could not spare the time," or it was too expensive, forgetting that they could have acquired information which might possibly save them far more than the cost of going to Boston.

I am well aware that the old idea of secrecy concerning many points in the cultivation of all classes of plants is still held by some of the best growers, for this point has come very forcibly to my attention lately. Fortunately this custom is gradually passing away, for it must be conceded that it is a very selfish motive that will allow a man to see his neighbor losing a large quantity of stock from any cause when he has a power to remedy the evil. This is one great object of the carnation society, to so instill into the minds of its members the fact that any information which will be of benefit to another should be freely given. A vast amount of good has been accomplished in this line and probably among no class of growers will be found the desire to impart knowledge concerning the plants he is handling more than among the growers of the carnation, and to this fact may be ascribed to a great extent the present standing of the society.

Many growers do not become members of the society nor lend their aid financially to the success of the same simply because they get a full report of the essays and proceedings in the trade papers. You may not this year, so it will pay you to send two dollars to the treasurer and thus get a full report of the convention in a form to which you can refer when and as you like. The florist as a rule is not aware that reports of such meetings are of great value in later years historically, for to them he can turn for points of information to be had from no other source.

CHARLES H. ALLEN.

Watering—Buds Blasting.

Is water from a cistern at 40° too cold to use on carnations? My carnations come to bud and then dry up. What is the trouble? A. H. W.

I do not believe in using water at 40°, for it is apt to produce a check upon the system of a plant the same as upon a man. Many experiments have been made on this point by some of our most practical growers, and I believe it is now considered unwise to use water at a lower temperature than 50°. I would not think of using water at 40° on carnations.

Without a fuller description of the trouble with the buds I can come to no definite conclusion, but this trouble often comes from lack of drainage.

CHARLES H. ALLEN.

A Greenhouse Fifty Feet Wide.

As I have received numerous letters of enquiry in regard to the plan of my new greenhouse, which is seemingly unique, and because it is my wish that the knowledge of what may be of value in its construction should be the property of the trade, I feel induced to submit to these columns a brief description. I may say at the outset, that the original conception is that of my brother Edward Swayne, but that he advised its application only to ground having a much greater slope to the south, say ten or fifteen feet in fifty. Last winter, having become convinced that the customary thirty-two feet of rafter and glass is more than is required to roof a twenty-five foot wide house, and also that gutters, especially of wood are an unnecessary abomination, I became captured by the plan.

After working up all the detail to my satisfaction I resolved to apply it to my only available piece of ground, which slopes but three feet in fifty, to the south. In the minds of those whom I consulted for suggestions and advice in the matter the plan found unanimous disapproval, but somehow that seemed only another incentive to vigorous effort to test, in substance, its practicality. With the help of the accompanying cut I can illustrate more clearly the salient points.

The ventilators, which are continuous, (100 feet) at lower and upper sides promise to be adequate. Method of heating, hot water under the pressure of the town stand pipe. Heating pipes (2,000 feet of 1¼ and 1½-inch) are all overhead, with present arrangement the house is about 15° cooler at lower, than at upper side. The boiler is homemade, 9 feet long, of 16 2½ inch pipes in two separate circulations. Grate surface 3 feet 10 inches by 4 feet. Will not exceed 16 tons (long) egg coal per year. Flue 140 feet long, rise of 15 feet, excellent draft. Snow slips off the roof with inside temperature of 50°. Sash bars cypress 2x3 inches, two feet apart. Supports of second hand 1-inch pipe (1¼ inches outside), perpendiculars, intervals of 10 feet in length of house 7 feet in length of rafter, capped by tees (T) into which the purlin of like material are screwed and run the length of the house.

The roof, which slopes 9½ feet in 51 foot bar, is light and durable. The paths are cement lined, 1 foot wide, 7 in number running the length of the house and 3 running across the house, one in the middle and one at each end. So we find 5100 square feet of roof covering 5000 square feet of ground, with 4050 feet of bed.

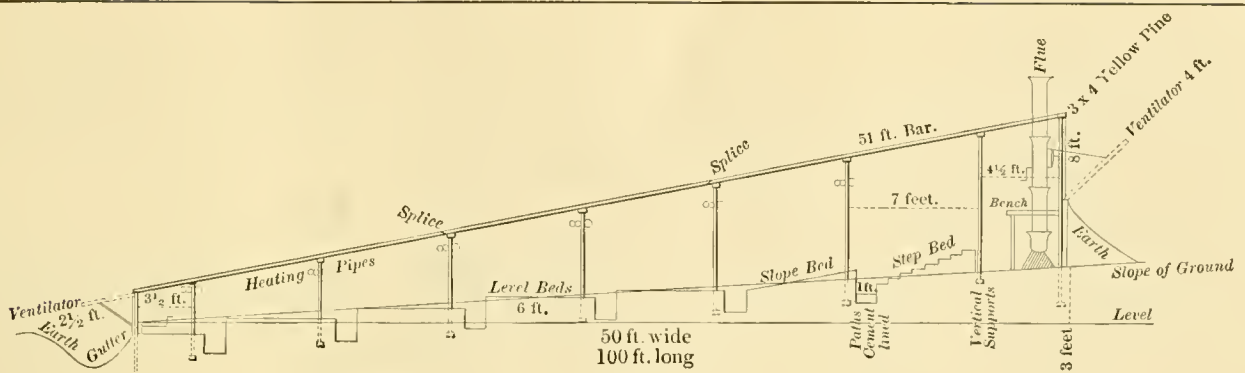
The carnations, which are the principal product, seem to be in their element, as do also the Lady Campbell violets on the lower two beds. I was especially anxious that the building might give the environments best suited to rooted stock, using for that end 16x24 glass, ample ventilation and ground beds.

The structure seems to impress all who have seen it, with the beauty of its simplicity, and no less for its proven intrinsic merits. Already, three houses of this plan are in prospect next spring, and a half dozen more men are considering it.

I append the cost in full and if I have forgotten anything or if anyone wishes more information in connection with the house I would be pleased to furnish it.

Material.....\$888.87
Hired labor..... 144.88

Total.....\$1,033.75
And this is not the minimum.
Kennett Square, Pa. C. S. SWAYNE.



SECTION OF MR. C. S. SWAYNE'S WIDE HOUSE.

Carnation Troubles.

I have a house (18x96) of carnations which have done finely until very recently. Now the Fisher are splitting the calyx badly and the stems are showing signs of decreasing in strength. Plants and flowers grow large and rapidly. Temperature in daytime 65° to 70°, at night about 50°. All well tied up. Houses sunny and clean. We ventilate on pleasant days, but whether enough or not am not sure. Can you suggest the cause of the trouble? W.

You probably keep your house too warm during cloudy days. Keep the temperature at 55° or 60°, never higher during dark weather, shut off all heat on bright days and let the temperature go to 70°, then ventilate but keep the thermometer above 70°, and it will do no harm if it goes to 75° or 80°. If you are not using manure water begin at once.

CHARLES H. ALLEN.

Pres. Garfield and Emily Pierson.

"F. B." finds the above carnations the same thing and thinks perhaps he did not get the latter true to name. They are not the same. Garfield is a sport of another scarlet and originated in Detroit about 1881 or 1882. Emily Pierson was raised by Mr. Pierson in 1893. It is different in habit from Garfield. Both varieties are about gone out of commerce.

WM. SCOTT.

TWO NEW CARNATIONS.—Two new carnations were recently received from the estate of M. A. Hunt, Terre Haute, Ind. One of them, Peachblow, a charming soft pink of the shade suggested by its name, seemed to us distinctly promising. It is a good-sized flower with long stem and good calyx, and the color seems both charming and distinct. The other, named M. A. Hunt, is white edged and flaked with carmine. Peachblow is to be sent out this year, the other not for a year to come.

Educational Factors in the Business.

BY S. D. DYSINGER.

[Abstract of a paper read before the Society of Minnesota Florists, St. Paul, February 8.]

The speaker remarked in opening, that this subject was one of vital importance to the craft: he described an educated man as one who had thoroughly mastered his business, knowing all its requirements. He continued:

There is no knowledge so beneficial as that gained by experience. And yet many a man passes through life, works at the florist business every day, draws his salary every Saturday night, if he is lucky enough to get it, and after years of what

should be rich experience, cannot satisfactorily grow a *coleus orgeranium*. And why is this? Because he lacks or fails to employ the power of observation, fails to concentrate his mind upon his work. When you do anything do it for a reason, or find out why if you have none. Use your brains with your hands, and your work will constantly grow lighter. If any knotty points come up which you are unable to solve, do not despair. Never give up. Be it blight or bug, disease or disaster, rust or ruin, earth or air, soil or water, light or heat, root or top, branch or cion, plant or cutting, bud or blossom, that is not as it should be, find out the remedy somehow or somewhere, or if you can't find one adopt one, and nine times out of ten you will win in the end and have had a rich experience beside. We should also acquire knowledge by reading. There are valuable books on floriculture, books recording the experience of other men who have traveled the same road and met with the same difficulties. They did not know all the business, neither can you expect to, but the experience of two men along the same line is better than that of one. If you do not possess a library of such books, start one at once; buy some good book, read it thoroughly, and when through, buy another and so on until you have a small library all your own.

Too much stress cannot be laid upon the value of the other branch of florist's literature; viz. the trade papers. I believe they are worth many times their cost to every man in the business. Instead of the life time experience of the one man, you get the daily and weekly experience of hundreds and thousands. You are kept in touch and sympathy with hundreds who are working, and experimenting, as you are, if you are anxious to succeed. By reading trade papers you are also keeping up with the times, and keeping yourself informed as to new varieties, new methods of culture and new ideas in general.

In the next place our knowledge is increased by florists' societies. These should be organized and supported wherever two or three florists are gathered together. Young and old, employer and employee, professional and amateur, in fact everyone who loves flowers, or grows them, should be included in the membership. Monthly or semi-monthly meetings should be held, practical subjects discussed, and every one come prepared to ask a question or give advice as the opportunity suggests. We can gain nothing by keeping our knowledge to ourselves; we may do a world of good by telling it to others. Let florists' societies be for growers of flowers, whether in the private dwelling house, the conservatory, or on

the lawn. Let the professional who grows plants by the million, the amateur who grows for pleasure, and the woman who gives the best window in the house to them, because she loves them, get together, confide their secrets and disappointments to each other and tell the world what they know about floriculture, and our trade will receive an impetus such as years of boom times would not produce. It would be the biggest kind of a boom in itself. In this connection would suggest frequent interchange of visits with other florists in your vicinity. You will nearly always see something from which a new idea is gained, besides promoting and cultivating a kindly feeling.

Mr. Dysinger urged those who possess some special knowledge to give their experience freely to others. He spoke of the readiness of the well-known leaders in the craft to impart their knowledge. He urged employers to give their experience freely to those under them, making them interested in their work. He considered the crying need of the trade to-day to be more intelligence and brain work, less ignorance and manual labor.

This brings us to the other side of the question; viz., the education of the people. While we may learn to grow stock to perfection, it will avail us nothing unless we have a market for it. For many years florists have only been supplying people with what they have wanted. The time has now come when florists must tell people what they want, and create a desire for their goods; in short must educate the masses to care for and be interested in their stock. Fifty years ago, people didn't buy flowers as they do to-day. They had not learned their value. To be sure, not many had the means to indulge in luxuries, and even those who had cared but little for flowers. Many persons of moderate means living in cities never had a plant or flower in their houses, from one year to another. Now, however, the poorest hut in the land is often graced by the loveliest of God's creations, flowers. What has produced this wonderful change? People have been educated to it, just as they have been educated so to speak to take a daily paper or ride in the street cars. They see the products of the florists' art continually, and seeing them continually become interested in them. It is the florist's province, nay, it is his duty to interest the people in his products. One of the factors in promoting this interest is the floricultural papers and the floriculture departments of family papers. They spread the knowledge far and wide, and sow the good seed that result in the florist's harvest. Their value will never be known. A third great educational factor is found in advertising. Keeping your goods constantly before the people

makes them buyers. A constant, persistent judicious use of printer's ink will bring customers some time.

In this connection let me say, that the annual flooding of the country with flashy, attractive catalogues is a great big advertisement of the best possible kind, not only to the ones who issue them, but to the trade in general. Another way of advertising is to make and keep your place of business attractive. If you have no store, keep your greenhouses neat and inviting. Have a small show room if possible, and keep everything in it arranged in a neat and attractive manner. You cannot expect to interest customers in your goods if you are not interested enough in them to keep them looking attractive. The secret of a successful salesman is in presenting his goods in an attractive manner. Many rare and beautiful plants are never sold because they are not shown to advantage. If you have a store, no matter how small, make the window attractive. Change it weekly or oftener. Make it suggestive as well as attractive, and you will instruct and please people and in the end capture them or their purse. Better have dirty floors, poor flowers, poor clerks and an uninviting interior than a poorly arranged and poorly kept window. Your show window is a standing advertisement of your business, and if attractive is a constant reminder that flowers are "A thing of beauty, and a joy forever."

The next but by no means the least important educator is the floral exhibition, chrysanthemum, rose and carnation shows. Their value is manifold, their influence far reaching. They attract the people and instruct them. The many varieties cause numberless questions to be asked and answered.

Lastly, we should all impart our knowledge of plants, flowers, etc., as freely as possible. The more knowledge given, the more interest will be manifested in what you have to sell. Once convince a woman that she can grow a flower and you have made a life time customer. If you can successfully grow a plant, tell how you did it as clearly and concisely as you can. Many a lady who loves plants would buy if she was sure of making them live. How often do we hear it "I would like this plant, but I don't know how to take care of it." If some plants will not do well outside of a conservatory, do not hesitate to tell your customers so. I know there are those who think that for every plant that dies for a customer another can be sold in its stead. While this is true in some instances, is it not equally true that for every plant that lives for a customer you can sell two? Do not hesitate to tell all you know about a plant or flower. The more the masses know about plants and flowers, the better customers they will become.

In conclusion the speaker said he considered the trade still in its infancy. Every year shows increased interest. He thought that we must encourage this increase by efforts to produce a higher grade of stock; every florist should strive to elevate his calling by his own individual efforts, and also to foster the taste for flowers and plants among the general public, with this point in view the future of the trade seemed secure.

SOME GOOD Marie Louise violets, grown by Mr. W. V. Duryee of Mattituck, N. Y., were recently received at this office. They were grown on benches in a carnation house, and certainly compared favorably with most of the stock grown.

New York.

The past week has been a most discouraging experience for growers and dealers. The cut flower market seems to have gone to pieces completely. Never before in the height of the season has the demoralization been so sudden and so complete. A breakdown of this character is always expected after Lent comes in, but with Lent two weeks off it is almost unaccountable. No doubt the heavy production of flowers aggravates the existing unfortunate conditions. Warm sunny weather has prevailed and the plants which had been standing still during the very severe snap which preceded the pleasant weather, have been in condition to produce almost a double crop. As to prices: It is almost impossible to quote figures that will convey any reliable information. As one wholesale dealer expresses it, the prices charged just now depend upon how much money the buyer is willing to pay. The main thing is to sell the goods at all. Many roses of fair average quality have been sold as low as \$4 to \$10 per thousand within the past two days, and carnations do not bring more than \$1 per hundred unless of extra quality or variety. Bulbous stock is badly in the dumps, and does not average more than \$1 and \$2 per hundred throughout the list. No finer tulips have ever been seen in this market than are now coming in from some growers, but it is out of the question to get more than \$2 per hundred for them, and even then they are seldom wanted. The retail dealers are at least fortunate in one respect, that they can get goods at their own price, especially those who have cash constantly at hand. The street men, however, are now out in full force, the weather being such as to permit them to expose their flowers on the streets, something they have not been able to do for many weeks, and no doubt a good large proportion of the stock being cut at present will necessarily find its outlet through these channels, as the retail stores are totally unable to handle it.

There are a few hybrid roses coming in, some of them being of excellent quality. Brunner is particularly good as to quality, but the prices obtained are not what they used to be. Hybrid roses as a winter crop pay only in connection with chrysanthemums; where a crop of chrysanthemums has been taken off a house, and hybrids are put in to follow them, a careful grower by a combination of the two specialties may manage to get a fair result, but there is no money in hybrids otherwise. The business has changed greatly in this respect within the past few years. American Beauties continue to come in in widely varying grades; the very best of them will bring not over \$50 per hundred. This price is as good, however, as was obtainable at this same time last year; very fancy figures on American Beauties are out of the question after hybrid roses begin to appear. From all appearances the principal work of the dealers will be for some time to come to get rid of the stock; that will be the first consideration, the price will be only a secondary matter.

Smilax and asparagus are both very scarce, and a grower who has a crop of either of these vines will have no trouble in finding a good market for it, and he can make his own price and get it too.

The New York Florists' Club will give their first "at home" on Monday evening, 25th, at 8 o'clock, and the committee, consisting of Messrs. Lawrence Hafner and John Young, will not leave a stone

untuned to make the evening a pleasant one.

One of the largest orders during the past week was one for the funeral of Mr. Polhemus, which was executed by Mr. Weir of Brooklyn, 21,000 violets being used to cover the coffin.

Chicago.

At the last meeting of the Florist Club there was an interesting discussion upon flowers not now grown in quantity but which would sell well if placed upon the market. Mr. E. Wienhoeber presented a brief paper on the subject in which he mentioned the finer varieties of single anemones, ixias, Primula officinalis, P. spectabilis, Coreopsis lanceolata, heaths, Browallia elata, and various sorts of yellow daisies. Other speakers mentioned the bouvardia and the cyclamen as desirable additions. There was quite a debate as to whether the cyclamen could be profitably grown for cut flowers. It was held that fine blooms of the improved giant strains would bring from \$2.50 to \$3 a 100 at wholesale and that they ought to pay at that rate, but some of the growers disagreed. It was noted that it would be useless to attempt to market short stemmed bouvardia, and that to secure a market for it the flowers should be cut with long stems, bunched, and each bunch wrapped carefully so that the flowers could be handled without injury.

After adjournment the members retired to an adjoining club room where an excellent lunch was waiting, and which was duly disposed of. The bowling alley next claimed attention and some truly wonderful and fearful scores were made.

The weather is all that could be desired and stock of all kinds is coming in with increasing quantity, nevertheless the supply is still short of demand. The season has so far been remarkable for the steadiness with which prices have been maintained all along the line. Although prices for good stock have not been extraordinarily high still the figures ought to be satisfactory to the grower. Not a really good flower of any description has been left unsold.

Quality is also improving. While many of the Beauties are rather short in the stem the blooms are very good, and often the blooms that lack in stem are better than those with longer stems. Hybrids are still hanging back, the few that are sent in are rather poor. Jacqs are coming in better, but the number is very limited and unless of good quality go rather slow at \$1.50 to \$2 a dozen. Maids, Brides, Testouts and a few Kaiserins are very good on the average, and Mermet with a few growers is showing up in color such as hasn't been seen before this winter and finds a ready market at only one point less than Bridesmaid, 7 being the top price at present. Perles continue coming in in increasing quantities of very good quality and hold their own at 4 to 5 for select. La France, which has kept a back seat so far, is also showing up much better. Though the demand is rather limited still it goes at fair prices if no other pink can be had.

Carnations are grand; no such average good stock was ever before seen in our market as that which is coming in now in large quantities. Daybreak leads with Tidal Wave a close second; both are exceptionally fine. Whites are extremely scarce; although a few lots are very good the bulk is only fair, there being actually no A1 stock. Red is rather weak also. One grower is sending in a few Emily

Pierson which are superb; if this variety can always be grown in fine shape it is all right. The few Scotts, Albertini and Helen Keller that are offered are extra good.

Violets are very plentiful and have weakened considerably, the best quality rarely goes above \$1. There is no change in bulbous stock, the market being still short in most lines, particularly Romans, which are very hard to obtain; prices remain stationary at top figures.

How to supply the demand for smilax has been a conundrum the commission men have tried in vain to solve. The scarcity is apparently not only local but extends all over the country. Adiantum is much the same and under pressure of demand much of the stuff sent in is altogether too soft.

Some very fine lilac is now coming in and brings \$1.50 to \$2 a dozen. Good quality mignonette is selling fairly well, but there is no demand for the small stuff.

Local trade is much improved and the shipping demand is heavy. The Mardi-Gras season is now on at New Orleans and the demand from that city is quite heavy, which calls for the best select stock.

Philadelphia.

Brunners are now plentiful; the best still sell for 50 cents, with all sorts of prices for seconds. There is a great difference in the quality of this rose, as the different growers' products are compared. Some get it with a long stem, plenty of foliage, but a rather small flower with not much substance, and generally poor color; others have it a medium to short length, but a good strong petalled flower, large and full, and a beautiful rich color. These latter keep much better than the others. Laings do not seem to be as good as formerly. Some three or four years ago John Burton sent in some grand Laings; they were magnificent in size and a perfect color. What's the matter in Chestnut Hill? Wake up, Isaac. All the best Laings will bring now is \$25 per hundred. Beauties and Belles are fairly good, but few can be called first-class; the best bring \$5 per dozen, and from that down to \$1.50. Mermets, Brides, Bridesmaids and others of this class sell for from \$6 to \$10, with a few extras from \$10 to \$15. Heacock has some extra fine Brides and Bridesmaids; Burton, Bridesmaids and Testouts, and Anderson good La France and Kaiserin. The smaller teas bring 4 to 6 and are in fairly good demand.

Some really fine carnations are now offered, the best varieties being Daybreak, Sweetbrier, Ophelia, Grace Battles, Grace Wilder and Scott in pink; McGowan, Fisher and Hinze's White in white; Portia in red. Some excellent flowers of Tidal Wave and Thos. Cartledge, and a monster pink of the Malmaison type measuring 5 inches across, together with a host of new varieties of more or less merit, make up the list. The best bring \$3, very good \$2.50, and the majority \$2 per hundred with \$1.50 in sight. Myers & Santman continue to bring out seedlings of merit; their latest trio is a deep pink, a fine white and a large mottled variety, white and pink like Dresden china. Mr. Santman says that the report that all his good ones came from one pod of seed is not true. Sleepy carnations have not made their appearance this season as yet. Smilax is scarce, that is, good smilax, and readily brings 20 cents. Bulbous stock is quite plentiful, especially valley and daffodils. Valley sells for \$3 and \$4, and

daffodils about the same. Tulips move slowly at \$4 to \$5. Violets are very plentiful and sell slowly at \$1 for the best.

The snow is piled high in the streets, but the fakir holds forth on the sidewalks, and very good stock of all kinds is offered at much less than wholesale prices; truly, the fakir has a pull.

The exhibition held in connection with the February meeting of the Horticultural Society was not large but very fine. The committee commended the exhibits of Messrs. Heacock and Anderson, and said that such fine roses had never been exhibited in this city before; they were certainly grand. The varieties were Brunner, Kaiserin, La France and Mermet by Anderson, and Brunner, Bride, Mermet and Wootton by Heacock. There was also a very choice exhibit of orchids in flower by E. Lonsdale, which attracted a great deal of attention, as these flowers always do. The paper read on "Something about vegetables" by Col. Barrett Landreth was the most carefully prepared essay of any ever offered before the society. The history of all the most popular and valued vegetables was traced from their discovery up to the present date. All branches of the business of vegetable growing were touched upon and the intricacies of the business pointed out and commented on. It was a paper of great historic value and exceedingly rich in information even to men who thought they were well up in the business. During the reading of the paper, which occupied two hours, the audience listened with the closest attention, showing their great interest in the subject. In answer to a question Mr. Landreth said that he thought the "Stone" was the best all round tomato. Mr. Morris said as late as 1862 the tomato was not eaten in Paris, being considered not fit for food.

K.

Buffalo.

Moderately cool weather with bright and cheerful sun has improved everybody's temper, and to some extent business. It has also increased the supply of flowers. Carnations are coming in in larger quantities, and so are roses. Bulbous stuff is now at its best, and the general opinion is that tulips and daffodils are selling quite as well and a little better than last year.

A fierce little fire on Monday, February 18, cleaned out the store of S. A. Anderson, our enterprising young florist at 302 Main street. Mr. Anderson occupied the north side of the store, while the south side was a fashionable candy store. The destruction was about complete. Mr. Anderson lost in furniture and stock about \$1,500, but fortunately was insured. Several of the craft offered him counter room until he could get located, so he will soon be on his feet again.

I regret very much to announce the serious sickness of Mr. W. J. Palmer Sr., inflammatory rheumatism is the trouble. At last accounts he was better, and we all wish him a speedy recovery. He is the patriarch of the trade here, and we all reverence him on that account.

From the serious to the frivolous is rather sudden, but I can't resist a few words about our visit to Rochester on Friday last, where a game of nine pins was the primary attraction. The Rochester boys were as usual more than great in their hospitality, and to detail all they did to make the visitors happy would take too much of your space. One of the features, and a very pleasant one, was a ride in a very spacious sleigh behind two

horses, each weighing a ton. The sleigh was large enough to take in the whole crowd, Peter Crowe and all. We drove through the beautiful residence part of Rochester, and made a halt at the green-houses of Salter Bros., where we found everything in first-class shape, roses in particular looking fine. Our driver was a humane and refined gentleman, and never forgot at proper opportunities to give his team a drink. You know that in keen frosty weather horses do get very thirsty. After the drive came an elaborate and much enjoyed banquet, and then came the game. They beat us, but they did not quite wipe the alleys with us, for it was 3 to 2 in favor of the home party, 12 men on each side. For those who are not acquainted with this ancient game of nine pins I can say that it is no more like ten pins than billiards. The alley is purposely rounding and as long as a rope walk. The balls are very small and so are the pins and wide apart. There is no denying that there is plenty of science in it, but hardly as cheerful a game as the one played annually by our national society. In conclusion, all those Buffalo men who stopped at home missed a great afternoon and evening, and we all say now as we did then, well done, Rochester.

W. S.

St. Louis.

The regular meeting of the Florists' Club was held on the 14th, with a fair attendance present. The principal interest centered in the appearance of the gentleman who is expected to manage the show. He appeared and gave a short talk in regard to the matter, but at this early day could state nothing positive; a committee of three was appointed to give him whatever assistance may be necessary in coming to an approximate estimate in regard to expenses, receipts, premiums to be offered, special prizes, and the like. Despite the unfavorable showing made last year the sentiment of individuals is strongly in favor of a show, and it will be strange if one is not given.

The committee having in charge the indorsement of a candidate for the office of Superintendent of Parks, did not report, owing to the chairman being away; it was continued and a communication from the present Superintendent of Parks, asking for an expression in regard to the manner in which he had filled his office, was also referred to it, with a request that they report at the next meeting.

The resolution changing the time of meeting from afternoon to evening was read a second time and laid over until next meeting, at which time it will be acted upon.

Quite a show was made at the meeting with carnations and roses brought by the members. Emil Schray showed fine Albertini, Daybreak, Buttercup and Sweetbrier. The old Garfield was in fine shape and was just as large and fine as any of the newer varieties. Tidal Wave also as shown was a surprise, they being fine. F. J. Fillmore also showed a vase with exceptionally fine Helen Keller and Uncle John; Daybreak and Albertini were also in his collection. A vase of roses containing the standard varieties, Bride, Bridesmaid and Mermet, with a few Kaiserin, was shown by R. F. Tesson and was much admired.

Cut flower trade has been on the jump lately, stock being scarcer than at almost any time during the season. Shipping orders have increased, and many go out only partially filled. The plant trade, which commences in January with ex-

treme southern points, has been snowed under, there being practically nothing doing in that line, although preparations are being made in expectation of a heavy demand as soon as it opens.

Mention has lately been made of the name of J. M. Jordan, ex-president of the S. A. F., for the office of park commissioner.

The Michel Plant and Bulb Co. has assumed control of the greenhouse plant formerly operated by A. Berdan at Old Orchard. R. F. T.

Washington.

The cold weather of the past two weeks has been unusually hard on greenhouse men, compelling them to lose a great deal of rest and burn an enormous quantity of coal to keep out the frost. All the florists have driven their boilers to their fullest capacity, but so far no mishaps have been reported. The cold weather, together with the snow, has kept home grown violets out of the market almost entirely, no one daring to uncover their frames. Transient trade fell off considerably during the cold snap.

Flowers are retailing as follows. Beauties \$3 to \$9 per dozen (Beauties as a rule are small and short stemmed), La France \$2 to \$3 (good ones are scarce; they seem to be off crop with the growers about Washington), Brides \$1.50 to \$2, Mermets \$2 to \$3, Wootton \$2, Gontiers 75 cents, Meteors \$1.50 and \$2, Perle \$1. Golden Gate with C. Strauss & Co. are simply perfect and they go fast at \$3. They are also cutting very fine Scott carnations. Bridesmaid bring \$3 and some excellent ones are on the market at present. The supply of roses has been a little more than the demand.

Tulips are plentiful and excellent, the Gude Bros. having an abundance of the finest I have ever seen. They are bringing from 50 to 75 cents per dozen. Dutch hyacinths do not seem to be as good as usual. There is a demand for 6 inch pans containing from 3 to 6 spikes, which retail for 50 cents and \$1. Valley is not over plentiful nor is it extra good, selling for 75 cents. Carnations continue plentiful (except the fancy varieties, which seem to be a scarce article about Washington) retailing from 50 to 75 cents per dozen.

There is still ready sale for azaleas in flower. Some are complaining of their coming blind this season. Jonquils have made their appearance and are very fine.

The Belle Siebrecht rose was introduced into society at the last state dinner of the season given last week by the President and Mrs. Cleveland to the judiciary. The table was spread in the state dining room, and was unusually attractive, it being decorated entirely with this new rose. The center was a large square of Adiantum studded with the Belle. On either side was a circular plat of ferns and roses. Between the circular pieces and the center urn handsome gold fruit baskets filled with fruit, then came a flat oval of the Belles. At equal distances were gold candelabra with pink tapers burning under pink shades. On each of the four corners of the tables (which was in the form of a Roman I) was a small oval basket of adiantum and the Belle. Corsage bouquets and boutonnières completed the brilliant floral effect. The new rose was generally admired. The east room was decorated as usual with plants and the chandeliers draped with smilax. The large mirror-rests were banked with carnations, roses, azaleas, Romans and tulips through which peeped small plants of the graceful Cocos Wed-

deliana. The blue, green and red rooms were bright with flowering and foliage plants.

The Cinerarias at the White House Conservatory are unusually fine this season. Although Mr. Pfister has always had a good strain of this very showy plant, and has always grown them well, this season he seems to have had a very superior strain not only in size but in color as well, some of the flowers measuring 3 inches and having a double row of petals. Mr. P. usually selects the best of these and puts them aside for seeding, while the others are used for decorating the main conservatory and the rooms in the mansion. Mr. P. says he gets the best results from seed two years old.

The zero weather of the past week made hard work, and lots of it for the florists, not only in keeping their houses above freezing, but it was only with the greatest care that flowers or plants could be delivered without being frozen. It has been many years since Washington was visited by such a severe spell of weather.

REYNOLDS.

Worcester, Mass.

We have had an unusual abundance of funeral work the past week, some of the designs being very large, using quantities of white stuff, the result being a temporary shortage of light flowers, which won't last long if old Sol is at all lenient. The regular trade still keeps up its satisfactory firmness, and prices are normal; bulbous stuff is selling very well, and very nice valley is brought in in fair quantities. The popular demand for carnations does not abate a particle, and the people are willing to pay good prices for good flowers, realizing that a dozen two and a half inch flowers that will keep four or five days are worth a dollar. A good scarlet is greatly in demand here, as E. G. Hill, which we used to swear by, seems to have run out. Hector is not entirely satisfactory. Portia is worthless, Emily Pierson has a poor color, and Florence has too weak a stem. It remains to be seen which of the new ones will prove the best. A better white could be used to good advantage also. Small azaleas are selling well; some of the most popular kinds are Deutsche Perle, Mme. Van der Cruyssen, Vervaneana and Oswald de Kerchove.

The fad of wearing artificial violets has struck the town, the millinery windows displaying them in quantities. The violet sales do not seem to be injured to any extent, however, as the natural product is good enough for the best people.

Lange has a nice little lot of white lilac in bloom. We are experiencing warmer weather and bright days. A. H. L.

Frozen Chrysanthemums.

"F. B." says his stock chrysanthemums "are frozen down to top of pot, and will they shoot out again so that good cuttings can be got from them?" It is quite possible if not frozen too badly at the roots that the plants may send up shoots that can be used for late propagation. They would, however, be late, and likely to be weak, and I would certainly advise "F. B." to buy some fresh stock. It is too late perhaps to buy stock plants, but there is any number of good firms both in the east and west where rooted cuttings can be bought at a very moderate charge and you can have your choice of all the standard varieties. WM. SCOTT.

News Notes.

COLUMBIA, PA.—Mr. Wm. Aherne suffered a loss of over \$500 by the freezing up of one of his greenhouses during the recent cold spell.

MARBLEHEAD, MASS.—Fire destroyed the greenhouse owned by Mrs. Grace Oliver on the morning of the 11th inst. Loss on plants about \$500.

NORWICH, CONN.—Gustave Geduldig, a well known florist, and a member of the S. A. F., committed suicide by taking poison the morning of February 20.

NEW ORLEANS, LA.—Bouquey & Collongues have dissolved partnership. Francois Collongues will continue business at corner of Valence and St. Patrick streets.

PITTSFIELD, MASS.—At the meeting of the Gardeners' and Florists' Club on the evening of the 14th inst. it was voted to hold another chrysanthemum show the coming autumn.

CIATHAM, N. J.—Mr. D. Falconer has embarked in the florist business here, having purchased the establishment of Mr. R. S. Perrin. The place consists of 2 acres of land and 425 running feet of greenhouses devoted to roses and mignonne.

NEEDHAM, MASS.—Mr. Jas. Smith, an old time gardener formerly in the employ of Mr. Skinner of Newton, and lately in charge of the estate of Gen. S. M. Weld, Dedham, died here on Sunday, February 17. He left considerable property, comprising mostly real estate in Newton.

ALBANY, N. Y.—Mr. Samuel Goldring, formerly of Eyres & Goldring, and his brother Mr. Frederick Goldring have formed a co-partnership under the firm name of Goldring Bros., and will open a fine store at No. 18 North Pearl street about the first of March, which will be run in connection with their greenhouses at Slingerlands.

WATERBURY, CONN.—The damage by fire to the greenhouses of W. J. Snow amounted to \$1,000, covered by insurance of \$5,000. But a result of the fire was a very serious damage to all his stock of plants by frost. He had no insurance upon the plants and the loss on these will reach \$15,000. The fire originated in the boiler room, but just how is not known.

HARTFORD, CONN.—The Hartford County Horticultural Society has elected Mr. Henry R. Hayden of East Hartford president in place of Mr. N. F. Peck, who was elected at the annual meeting, but declined to serve. The society has petitioned the General Assembly to change its title to the Connecticut Horticultural Society. A spring show to take place on April 10 is talked of.

PREPARE your advs. now for our special spring number to be issued March 16, and send in as early as possible.

DO YOU WANT a list of trade organizations, both national and local, with names and addresses of principal officers, time and place of meetings and other information? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Kaiserin Turning Black.

In reply to your correspondent T. K., who complains that the buds of his Kaiserin Victoria roses are black on the inside I suspect from what I can infer from it that he has been fumigating the same. This will not only discolor white roses but colored roses also unless it is very carefully done. Except in very experienced hands it is dangerous business to attempt to fumigate with tobacco, at the present time. This is largely due to the adulteration of the tobacco in curing and has been growing steadily worse for the last twenty years in my experience. Previous to that time we could fumigate houses with roses in full bloom without doing much damage, but since that we have found it very risky business.

The more moisture there is in a house at the time of fumigating the more it affects the flowers. If your correspondent will trace back the operations of his house I think he will find that this is largely the trouble that he now complains of.

JOHN N. MAY.

Chrysanthemum Seed.

Replying to an inquiry by one of our readers a leading chrysanthemum grower says that generally speaking he would not care to sow seed purchased from others. But if obliged to purchase he would much prefer to buy American hand cross fertilized seed than any other. Seed procured by insect fertilization is hardly worth spending the time over; the single varieties are much more profuse with their pollen and consequently a very large percentage of seedlings will be single.

H. J. JONES' CHRYSANTHEMUM GUIDE is an excellent catalogue from the Rycroft Nursery, Lewisham, England. It is more than a mere catalogue, being a handy manual of chrysanthemum culture, giving instructions by various specialists on selection, cultivation and preparing for exhibition, in addition to a descriptive list of varieties, and contains a number of illustrations. The hints on "dressing" flowers for exhibition will be new to many American growers, our style of exhibiting being so different.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

SITUATION WANTED—As foreman or charge of department; good grower of decorative stuff. Z. Y. S. X., care Am. Florist.

SITUATION WANTED—As foreman in first class commercial place; good man in all branches, married; best references. E., care Am. Florist.

SITUATION WANTED—In good place as assistant; 8 years first-class experience, England and America. Good references. C. T., care Am. Florist.

SITUATION WANTED—By single man, 1 year's experience, wants place to advance. References exchanged. E. V. G., care Shilling Fy. Co., Columbus, O.

SITUATION WANTED—By a first class landscape gardener and florist, 18 years experience, married, no family; references from first-class parks and florist. H., care American Florist.

SITUATION WANTED—By first-class gardener in private place; good grower, plants, cut flowers, vegetables and mushrooms; age 28. ILEX, care American Florist.

SITUATION WANTED—By Swede to work in greenhouses or take charge of gentlemen's place; can speak and write English; good recommendation. Address A. C., 312 E. 34th St., N. Y. City.

SITUATION WANTED—By a German florist; 10 years' experience in Europe and in this country, to take charge of a small commercial place. Address H. T. 50, General Postoffice, Buffalo, N. Y.

SITUATION WANTED—By a practical gardener, Scotch, married, thoroughly understands his business, grapes, mushrooms, etc.; private place; Eastern states preferred; state wages. Address L. Box 78, Great Neck, L. I., N. Y.

SITUATION WANTED—By a practical gardener and florist, 20 years' experience in all branches; strictly temperate married man; private place preferred; best of references. GARDENER, Bateholder Bros., 71 Lake Ave., Cleveland, Ohio.

SITUATION WANTED—As foreman, a practical grower of roses, carnations, violets, chrysanthe-mums, palms, ferns, also the forcing of bulbs over 20 years; single, good references. Address FLORIST, 283 E. 43d St., Chicago.

SITUATION WANTED—Young man 28 would like position as manager of retail place or general man; good at making up or outside decorator; no objection to extreme west; familiar with Boston and New York styles; American and single. Address DECORATOR, care American Florist.

SITUATION WANTED—Permanent, by an honest and intelligent young man 4 years' experience in the retail trade, including forcing roses and carnations. Central or Southern States preferred. For further information address, stating particulars, GEORGE J. BALZISER, Princeton, Ky.

SITUATION WANTED—As headgardener, by first-class grower and propagator. A. In specialties and general horticulture; also nursery and landscape, 7 years' European, 8 years' American experience. German, married. State wages. FLORIST, care M. Knoll, 407 W. 39th St., New York City.

SITUATION WANTED—Gardener and florist wishes a situation, private or commercial; life experience in the growing of roses, carnations, violets, palms; first-class designer and decorator, laying out and general care of a gentleman's place, not afraid of work; excellent references, married, no children, age 38. Address with particulars GARDENER, 213 Derry St., Harrisburg, Pa.

SITUATION WANTED—By April 1st, by an energetic first-class nurseryman (32 years of age, unmarried), as general foreman of a large ornamental nursery. Possessing, as I do, over 16 years of practical experience with some of the leading firms of Germany, France, Holland and the United States, I have acquired thorough familiarity in all details of the nursery business. An expert in propagation, grafting by several improved methods, and the cultivation of the higher class of nursery stock and all novelties, accomplished by a system producing large quantities in the shortest time possible. Address PROPAGATOR, care American Florist.

WANTED—Partner with \$500 in florist business in a good town in Kansas. Address H. W., care Vaughan's Seed Store, Chicago.

WANTED—A good man for palms, ferns and general greenhouse stock, single; must be well recommended. H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—At once, single florist, good propagator; year's experience with roses, carnations, "mum culture in the west; German preferred. Address G. FLEISCHER, Pueblo, Colo.

WANTED—Two of the best rose growers that we can obtain for the money. Single men preferred. Address with references and wages wanted. BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—First-class rose and chrysanthemum grower to take charge of eleven houses near Chicago. Good pay to the right man. POEHLMANN BROS., Morton Grove, Cook Co., Ill.

WANTED—Good rose and cut flower grower, one who understands the business thoroughly; must be sober, energetic and reliable; about 20,000 feet of glass. Address with references and wages expected. CHRIST HANSEN, 804 Dale St., St. Paul, Minn.

WANTED—By a thorough, practical man, a position as headgardener on a gentleman's place, or manager of a large commercial plant. Thoroughly understands the growing of all plants for market or private use. Roses, violets, carnations and mums a specialty. Aged 40 years, married, two children grown, English; 18 years in present position; reason for leaving, death of employer. First-class references from England and this country. Open for engagement March 1st. Those not requiring the services of a first-class man need not apply. Address A. B., No. 3 Livery St., Waterbury, Conn.

FOR SALE, RENT OR SHARES—Greenhouse and celery garden, no competition; bargain. W. J. OLDS, Union City, Pa.

FOR RENT—A fine stand of steam heated greenhouses with an acre or more of land for a term of years. Apply to J. H. ALLEN, N. 59th St., Station X, Chicago.

FOR SALE OR RENT—In center of the city, 8.0 feet of glass with store, and first-class stock; cause, sickneea. Address JOHN SCHNEIDER, 92½ Walnut St., Kansas City, Mo.

FOR SALE CHEAP—I will sell my Maple Heights and Marlon Greenhouses (or plant), consisting of 25,000 square feet of glass; heated with steam and natural gas, stocked with the leading varieties of roses, carnations, geraniums, palms, smilax, etc., etc., with four acres of ground, under cultivation; a cottage on the place and about forty fruit trees of the standard varieties of cherries, pears, plums, etc.; we are on three railroad lines with a direct line to the best flower markets in the west; only one competitor and a town of 20,000 inhabitants. Ill health the cause of wanting to sell. A great bargain to the right one. Address MRS. GEO. R. FRAVELL, 322 Washington St., Marlon, Ind.

VERBENA SEED.

This improved strain of Mammoth Verbena gives perfect satisfaction to my many customers, and is justly claimed the finest in cultivation; flowers an inch in diameter. Per trade pkt. 25c; 3 pkts. 60c; 6 pkts. \$1.00. JOHN F. RUPP, Shiremanstown, Pa.

CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established.

Lil. Auratum, Spec. Rubrum and Album, Etc. Iris Kämpferi, in 100 choice varieties. Japanese Maples, in best varieties. Camellias, Paeonies, Tree Ferns, Raphis, Etc. Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

F. Gonzalez & Co.,
303 to 312 Wayne St., SAN FRANCISCO, CAL.
Mention American Florist.

NOW is the time to plant VERBENA SEEDS

The progressive kind will meet your needs, And make a grand sensation. 'Tis the kind that spans the silver half And makes progressive Florists laugh, And saves them much vexation.

New crop now ready. None but the best XXX seed offered. Will produce some grand novelties. We've had flowers 1½ inches across. First Premium at Mt. Holly Fair this year. ¾ oz. 60c; ¼ oz. \$1; trial pkt. 10c. Hand hybridized Double Petunias, Dreer's; none better. 500 seeds 60c; 1000 seeds \$1.00.

Single fringed, Dreer's and California Giant blended, saved from the most magnificent showy varieties in cultivation. 500 seeds 60c; 1000 seeds 50c.

Dwarf French Gold striped Marigold, make nice pot plants for spring sales. Trade pkt. 25c.

Dwarf Marguerite Carnation, all saved from fine double flowers. Trade pkt. 25c. Lots of other good things. Novelty price list, free to all.

Cash with order please. Address

J. C. GIBSON, WOODBURY, N. J.
Mention American Florist.

Seeds, Bulbs, Supplies,

at Wholesale only. Send for trade lists, mailed free on application with business card.

Address **August Rölker & Sons,**
136 & 138 W. 24th Street, NEW YORK.

Michel Plant and Bulb Co.,
WHOLESALE FLORISTS,

ST. LOUIS, MO.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF
FLORISTS'
Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

SURPLUS STOCK. Last Offer.

Dracena Indivisa and Grevilleia robusta, 3½-in. ready for 5-in. list, \$3.00 per 100.

Our New Seedling Heliotrope "Emma Herb", \$3.00 per dozen; \$20.00 per 100.

Rooted Cuttings of following: Chrysanthemum, standard var.; Geraniums, ass't; Fuchsias, Feverfew, Gazanias, Marguerite Daisy, Heliotrope, Salvia. Vinca var., 30c per 100.

Alyssum, Alternanthera, Lobelia, 50c. per 100.

CASH WITH ORDER.

THE OAKS GREENHOUSE CO., Jackson, Mich.



Trees, Shrubs, Vines, Dahlias, Asparagus, &c.
A full line of
NURSERY STOCK.
Our new trade list for 1895 now ready, send for one.
THE WM. H. MOON CO.,
Morrisville, Pa.

20,000 ROOTED ROSE CUTTINGS

By express, ready now, Perle, Gontler, Hermosa, La France Meteor, per 1000, \$12.50

Bride, Merme, Niphetos, per 1000, 10.00

Transplanted Carnations, Wilder, McGowan, 1000, 8.00; by mail add 10c. per 100.

CASH WITH ORDER.

J. J. LAMPERT, N. King St., Xenia, O.

Baltimore.

As the cold decreases business seems to increase; slowly, to be sure, but none the less surely. The advent of grand opera and several funerals in high places have helped the demand for flowers, but the weather is the chief factor in the improvement after all, for it may be questioned whether even grand opera would draw people out in such weather as we had a week ago.

Carnations are coming in freely and of very good quality at two cents. There is also a good supply of fine Jack roses at ten cents. Smilax is not so plentiful, and there is nothing like an oversupply even in bulb flowers, but the market is easy; if anything roses are in rather short supply, almost everything else, including violets, being plentiful.

In speaking of Mr. Hornicke's seedling notice of another valuable novelty originated by him was omitted. It is a Sanseviera Zeylanica of the same habit as the type, but having leaves, or blades, of richer, darker green, beautifully lined and striped longitudinally with creamy white. The markings vary from hair lines to broad bands, almost taking up the whole blade, and where both sides of the leaf are marked the translucent effect when seen against the light is very striking. Some leaves show in addition markings of pale green across the green part of the leaf. The variegation is so free that the plant, which was in an 8-inch pot, and about four feet high, with twenty or thirty leaves, looked more yellow than green, and was really a beautiful and striking object.

Attendance at the club meetings seems to have fallen off somewhat of late. It would be a good thing if we had a small committee of prudent and sagacious members to act as an executive committee, with special charge of maintaining harmony among the members. We have already lost men that might have been held, and such a committee if carefully selected and upheld might save us from future losses, and even win back and hold past ones.

MACK.

NEW, RARE AND BEAUTIFUL PLANTS.

STROBILANTHES DYERIANUS. This is the most valuable novelty which has been introduced for years. For bedding is superior to the finest coleus. Withstands hot sun and dry weather better.

SPIREA "Anthony Waterer," flowers rich crimson. Lord Penzance's New Hybrid Sweet Briar. **RELIGIUMS**—All the finest European novelties. **ORCHIDS**—A very extensive stock; East Indian, Mexican, Central and South American, etc.

RARE AND BEAUTIFUL EVERGREENS, Ornamental Trees, Shrubs, etc. **PAONIES**—A large collection of the finest in cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses, Clematis, etc. New and Standard Fruits, etc. Catalogues on application.

JOHN SAUL, WASHINGTON, D. C.



*Gardiner's Celebrated
English
Mushroom Spawn.*
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co.,
Philadelphia, Pa.
Mention American Florist.



D. SEBIRE & SONS
NURSERYMEN
A GENERAL ASSORTMENT OF
FRUIT TREE STOCKS, MANAGED CHERRY, SMALL EVERGREENS,
SUCH AS APPLE, PLUM, HAZELARD, CHERRY, FOREST TREES,
MANY BORN IN FRANCE AND GERMANY.
C. C. ABEL & CO., P.O. Box 920, New York.

Bulbs for Spring Trade.

We have now on hand for immediate and future delivery specially large, select bulbs of the following kinds, which are offered subject to being unsold upon receipt of order at the following low prices.

6 AT DOZ. RATES; 25 AT 100 RATES; 250 AT 1,000 RATES.

LILIUM AURATUM: 7 to 9 inches in circumference, specially fine	per doz. \$.75	per 100 \$ 4.50	per 1000 \$ 40.00
11 to 12 inches in circumference, monster bulbs	1.00	8.00	75.00
LILIUM SPECIOSUM RUBRUM: 7 to 9 inches in circumference . . . . .	.75	5.50	50.00
9 to 11 " " " " " "	1.25	8.00	75.00
LILIUM SPECIOSUM ALBUM: 7 to 9 " " " " " "	1.25	8.50	80.00
9 to 11 " " " " " "	1.75	11.00	100.00
BEGONIAS, TUBEROUS ROOTED: Immense bulbs, measuring 5 to 7 inches in circumference, from the finest European strains, RED, ROSE, YELLOW, ORANGE, BRONZE and WHITE, separate colors . . . . .	.75	4.50	40.00
Finest single mixed . . . . .	.60	4.00	35.00
Finest double mixed		12.00	
DAHLIAS: Large field roots, selected named kinds for florists' use; double large flowering Pompon, Cactus and single flowered	1.50	12.00	
Double or single mixed	1.00	8.00	
GLADIOLUS: All colors mixed . . . . .	.15	1.00	8.00
Fine American hybrids mixed . . . . .	.20	1.25	10.00
White and light, extra choice for florists' use . . . . .	.60	4.00	30.00
White and light, standard selection . . . . .	.30	2.00	18.00
CALADIUM ESCULENTUM: Clean, sound bulbs, 4 to 5 1/2 inches in circ. . . . .	.50	3.00	25.00
6 to 8 inches in circumference . . . . .	.75	5.00	45.00
8 to 10 inches in circumference	1.00	8.00	75.00
10 to 12 " " " " " " monster bulbs	1.50	10.00	
TUBEROSES: We handle only selected large bulbs, measuring 4 to 6 inches in circumference; double Excelsior Pearl and tall double . . . . .	.15	1.00	9.00
5,000 lots, \$8.50 per 1000; 10,000 lots, \$8.00 per 1000.			
GLOXINIAS: fine large bulbs, erect type, mixed colors75	6.00	
HYACINTHUS CANDICANS50	3.00	16.00

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"300 BLOOMS ON ONE SHOOT."

Fine plants from 3-inch pots now ready. We shall also have nice plants from 2 1-2 inch pots ready April 1st.

DESCRIPTIVE CIRCULAR AND HANDSOME COLORED PLATE FREE.

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New Chrysanthemum, PHILADELPHIA.

The great prize winner. Orders booked now for delivery March 15th.

NEW CARNATIONS 50 cents each; \$6.00 per dozen; \$35.00 per 100.
UNCLE JOHN, white; THE STUART, scarlet SWEETBRIER, pink; SAMBO, crimson; \$1.00 per dozen; \$5.00 per 100, EDNA CRAIG, WM. SCOTT, 40c. per dozen; \$3.00 per 100.

NEW YELLOW DAISY (Etoile d'Or), plants from 3-inch pots, \$1.00 per dozen; \$6.00 per 100.

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Jno. F. Croom & Bro., WHOLESALE Tuberoses & Caladium Growers

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Verbenas, 23 varieties	80c. per 100; \$7.00 per 1000
Heliotropes, Fuchsias and Mums	per doz. 20c
New Glint Alyssum and Lopezia	" 2 1/2c
Cuphea Lavae and Clear Plant	" 2 1/2c
Silvias and Marguerite	" 2 1/2c
Mexican Primroses and Ageratum	" 2 1/2c
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BELLE SIEBRECHT.

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

What good judges say:

It has proved a strong, vigorous and healthy grower, and remarkably free flowering, while its very large flowers retain that beautiful clear deep pink color that is entirely its own, and the bud being so very long and pointed in shape there is no possibility of its bullheading or hooding over in dull weather, which is the case with so many other roses of this class.

On the whole we are so pleased with it that we intend to plant very largely of it for Boston market. ALEX MONTGOMERY, Natick, Mass.

It is certainly a beautiful rose, but what impressed me most was first its very fine texture and substance of the foliage, which I am sure is not excelled in this feature by that of any rose in the market, and, second, the very evident indications of the free blooming habit of the plants.

With these important characteristics I feel certain that the Belle Siebrecht will prove a valuable addition to our list of forcing roses.

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The new rose, "Belle Siebrecht," I believe is the best rose of recent introduction. First, because of its fine color, which recommends it, there being no other rose of that brilliant shade. Second, its great keeping quality; after being cut three days its brilliant shade is just as pleasing as when first cut. Third, it seems to require less skill to grow it to perfection than any other rose I know of. I believe it is going to be the rose for the milliou.

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insertion in the issue for the following Saturday.

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Catalogues Received.

D. B. Long, Buffalo, cut flowers, bulbs, plants and florists' supplies; Ben Hains, New Albany, Ind., flower seeds, bulbs and plants; Pitcher & Manda, Short Hills, N. J., quarterly trade catalogue of palms, ferns, orchids, plants, hardy perennials, seeds and bulbs; Henry Nungesser & Co., New York, wholesale price list of grass and clover seeds; Rogers Nursery Co., Moorestown, N. J., money in fruit; Gralbert & Co., Colma Station, Cal., wholesale list of carnations, chrysanthemums, pelargoniums and cannas; Edw. Swayne, Kennett Square, Pa., trade list carnations; D. M. Ferry & Co., Detroit, Mich., seed annual; J. A. Everett, Indianapolis, Ind., retail seed list; same, wholesale seed list; same farm and garden tools; Cushman Gladiolus Co., Euclid, O., gladiolus; H. F. Michell, Philadelphia, wholesale list seeds and bulbs; Plant Seed Co., St. Louis, Mo., flower and vegetable seeds; H. G. Faust & Co., Philadelphia, garden, field and flower seeds; Gannon & Nicholson, Dallas, Texas, seeds and plants; I. L. Pillsbury, Galesburg, Ill., wholesale price list of rooted cuttings; Peter Henderson & Co., New York, manual of everything for the garden; John Smellie, Bushy, near Glasgow, Scotland, pansies, violas, carnations; W. Piercy, Forest Hill, London, chrysanthemums; W. A. Manda, South Orange, N. J., seeds, plants, orchids, trees and garden requisites; Williams & Sons Co., Batavia, Ill., retail plant list; E. H. Hunt, Chicago, seeds; J. C. McCullough, Cincinnati, O., seeds, bulbs, plants and implements; Wm. Parry, Parry, N. J., fruits and ornamental trees and shrubs; Ellwanger & Barry, Rochester, N. Y., supplementary catalogue of rare trees, shrubs and plants, Ermanno Bredemeier, Pallanza, Italy, seeds and decorative plants.

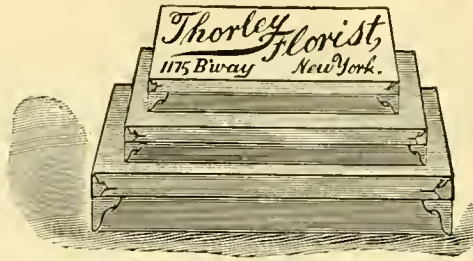
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Roses, Niphotos	1.50@2.50
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" Mermet, Cusin	1.50@5.00
" Bride, Watteville, Bridesmaid	1.50@6.00
" La France	3.00@9.00
" Testout	5.00@9.00
" Meteor	2.00@7.50
" Beauty	35.00@60.00
" " seconds	5.00@25.00
" Hybrids	10.00@25.00
" Jacqs	4.00@10.00
Carnations	75@1.00
" fancy	1.50@3.00
Valley	2.00@3.00
Narcissus, single	1.00@2.00
Daffodils	1.00@3.00
Freesia	1.00@2.00
Tulips	2.00@4.00
Hyacinths	1.00@2.00
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Smilax	15.00@35.00
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" Bon Silene, Goutler	2.00@3.00
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" Meteor	6.00@12.00
" Beauty	25.00@75.00
" Hybrids	15.00@30.00
Carnations	1.00@2.00
" fancy	2.00@4.00
Valley	2.00@4.00
Hyacinths, freesia	1.00@2.00
Narcissus, single	2.00@3.00
" double	3.00@4.00
Tulips	2.00@4.00
Harristl, callas	10.00@12.00
Violets	50@.75
Smilax	15.00@20.00
PHILADELPHIA, Feb. 19.	
Roses, small	4.00@5.00
" large	6.00@8.00
" extra select	10.00@15.00
" Beauties	35.00@50.00
" Brunners	50.00
Lalng	25.00
Carnations	1.50@2.00
" extra	2.50@3.00
Asparagus	35.00@50.00
Violets, double	50@1.25
" single, per 100 bunches	\$2.50@4
Valley	4.00
Cattleyas	40.00@50.00
Cyripediums	15.00@20.00
Smilax	15.00@18.00
Tulips	4.00@5.00
CHICAGO, Feb. 21.	
Roses, Beauty, selected	25.00@50.00
" Testout, Bridesmaid, Meteor	6.00@8.00
" La France, Bride, Albany	6.00@8.00
" Mermets, Wootton	6.00@8.00
" Perle, Niphotos, Goutler	3.00@5.00
" Jacqs	15.00@18.00
Carnations, long common	2.00@2.50
" " fancy	3.00@4.00
" short	1.00
Valley	4.00@5.00
Paper White, Romans, Freesia	3.00@4.00
Tulips	3.00@5.00
Daffodils	4.00@5.00
Dutch hyacinths	6.00@8.00
Harristl	8.00@1.00
Violets	75@1.25
Smilax	15.00@18.00
BUFFALO, Feb. 20.	
Roses, Beauties	15.00@30.00
" Mermet, Bride, Bridesmaid	7.00@8.00
" Meteor	6.00@8.00
" Perle, Hoste, Cusin	4.00@5.00
Callas, Harristl	10.00@15.00
Carnations, long	1.50@2.00
" short	1.00@1.25
" Daybreak	2.00@2.50

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Testout,
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Report of the Special Agent for the Purchase of Seeds.

SIR:—I have the honor to submit my report for the year ending June 30, 1894.

Respectfully,
ENOS S. HARNDEN,
Purchasing Agent.

HON. J. STERLING MORTON, Sec'y.

In connection with my report for the fiscal year ending June 30, 1894, and complying with your request for an estimate of the amount of appropriation required for the coming fiscal year for the purchase of seeds, I have to say that I can not conscientiously recommend an appropriation for a free distribution of seeds, either valuable and improved, rare and uncommon, or any other sort.

While serving in this department as special agent for the purchase of seeds I have tried to put the purchasing of seeds upon a purely business basis, considering only the best interest of the department. In the matter of the selection and purchase of seeds for the present fiscal year the law has been complied with and the results will be found, I am convinced, to be the most satisfactory attained by the department for many years.

In the light of my experience as a former seedsman, however, I consider the free distribution of seeds by this department as an infringement upon and interference with a legitimate business, and I believe it should be abolished.

The seed business, whether wholesale or retail, is to-day as much an established legitimate business as manufacturing or trading in any product or merchandise. I hold that this department has no moral right to interfere with this or any other legitimate business interest by a free political distribution of garden seeds, spades, shovels or plows, or of new styles of dress goods, or of any other commodity the subject of legitimate trade.

Many seed firms in the United States make a specialty of putting up seeds for sale in papers and packages, and these may be purchased in the stores of every city, town and village throughout the country. In fully four-fifths of the towns of a population of 200 and up there are merchants who make a specialty of garden and field seeds in bulk, where farmers and gardeners can obtain fresh seeds of all descriptions by the ounce or pound. Thus garden seeds are to be had by paying for them in every section of the United States.

There are, moreover, 152 seedsmen in the country who issue catalogues that are mailed to farmers and gardeners in all the States. Many of the picture catalogues are filled with extraordinary descriptions of vegetables and tell many Baron Munchausen stories, still they give the farmer and gardener an opportunity of ordering such seeds as they desire, and there is no reason why persons who wish to supply themselves with seeds for planting should fail to procure new or old varieties for want of an opportunity to obtain them in a legitimate way, by paying for them.

Garden seeds are as much a part of a groceryman's stock in trade (except in city stores which have no country trade) as starch or soap, and still this depart-

ment makes no distribution of the latter or of the thousand and one items handled by the tradesman.

I readily concede that years ago the seed division did much for the agricultural interests of the country in introducing new and improved cereals and other field seeds, but at the present time, as for years past, the people who receive our free garden seeds do not, as a rule, take any advantage of the opportunity given them of saving the seed crop for their own use the following year. On the contrary, as many of the reports made to the department on the results of planting the seeds sent simply state that "the seeds did well," "came up beautifully," "please send me some more," it is a fair inference that the recipients, as a rule, want to obtain good seeds for the least possible money.

As a matter of fact this department has for many years been behind the seedsmen in the introduction of new varieties, and for good reasons.

First, the seed division can not carry on the business like a private individual, but is hampered by the rules and red tape which govern all government undertakings. It is unable to make contracts in advance as seedsmen do. When a seedsman discovers a new and valuable improvement in a vegetable or plant he nurses the stock seed from year to year until he has a stock sufficient to enable him to place it upon the market and then, when he has introduced his improved variety, the department comes in and takes its chances on what no one else wants, after the growers and other customers have gotten their contracts made, perhaps a year or more ahead.

As there is no way of detecting if a shipment of seed be true to name without a practical test in a trial ground for that purpose, the Department of Agriculture has for years been considered the dumping ground of seedsmen, who had stocks of seed that they were afraid to send to market gardeners or other good customers. A trial ground is something that the department does not possess, and even if it did there is no advantage to be obtained from one from a distribution standpoint, as the seeds can not be experimented with until the year following the distribution. It is shown by the books that the department has year after year distributed the same old varieties under new names, doubtless supposing the same to be new to the country. In this the department, like hundreds of individuals, has been imposed upon, and will continue to be imposed upon to a greater or less extent while the distribution is continued until it takes up the subject systematically, and, by an experimental ground, settles the question of true varieties and synonyms.

To illustrate: In the 152 catalogues issued by the different seedsmen of this country for 1894 there were 222 varieties of cabbage listed, while actually there are not more than 30 distinct varieties in this country. The same state of affairs exists in all the families of vegetable and field seeds sold by seedsmen; we have, for instance, 235 names representing different varieties of lettuce, 228 of peas, etc., when in fact there is not over one-fourth that many actual varieties. The improvements in most cases are in the manner of putting up or in an improved way of weighing out the seed, and the prices asked for these are from 10 per cent to 50 per cent higher than those asked for the same thing under its proper name. I feel assured that the Department of Agricult-

ure can do the people, the gardeners and the farmers more actual good by making such tests of varieties and publishing the results of the same at an expenditure of \$15,000 than with ten times that amount for free seed distribution.

Moreover, the settling of this question will be of great benefit to honest and reliable seedsmen, and will, I believe, meet with the approval of every seedsman in the United States who is not a fakir.

In conclusion, therefore, I suggest that the purchase of seeds for free distribution by this department be discontinued, and I earnestly recommend that, in place thereof, \$15,000 be appropriated for the purpose of determining the distinct kinds and varieties of vegetable and field seeds and their synonyms, the result obtained from these experiments to be published in the series of farmer's bulletins of the department.

The Bermuda Bulb Combine.

There is good reason for fearing that one of the largest houses engaged in the bulb trade in the United States has undertaken to defeat the effort that is being made by the Bermuda Bulb Company to obtain an advance in the prices realized for bulbs last season; also that persons in Bermuda are co-operating with the house in question to bring about this result. It will be well, however, for the bulb-growers to consider just what the practical outcome will be if this scheme should succeed.

The aim of the Bermuda Bulb Company is to improve the prices which bulbs have been bringing hitherto. The only way in which this can be accomplished is by combined action on the part of the bulb-growers, and after a great deal of difficulty and labor the company has succeeded in formulating a scheme which has been accepted by a majority of the bulb growers of the colony, who have agreed to place their bulbs in the hands of the company. The gentlemen who compose the company do not pretend that they are acting the part of ideal philanthropists; on the contrary, they profess to hope to be able to make some money out of their venture; but they also profess to work their scheme on such lines that everybody concerned—producers and consumers, as well as themselves—shall make a good living profit out of the business. That their scheme, if carried out faithfully in all its details, will improve the financial condition of the bulb-growers is generally admitted by all concerned, and that it will be faithfully carried out the terms of the contract which has been entered into between the company and the bulb-growers leave little room to doubt. It seems strange, then, that anyone—be he bulb-grower or other—who has a direct interest in the prosperity of the colony would do anything to imperil the success of the enterprise.

It is well known that, for the past year or two, growers and shippers alike have been playing a losing game, simply for want of concerted action on their part, and now that such action has to a great extent been secured, it should be maintained as far as possible—not only because such action will benefit the growers and shippers here, but because it will also benefit their customers abroad. To insure this mutual benefit, The Bermuda Bulb Company has taken particular pains to protect bulb dealers in the United States and Europe; the company has bound itself not to sell in small lots to foreign dealers, so as to give the large dealers

abroad the opportunity to supply customers who desire to purchase quantities below a certain fixed limit. Neither will the company allow any of its bulbs to be sold at private auction in the London market—a practice which in the past has proved a most ruinous factor in the trade. The company will not allow flowers to be shipped and sold to compete with flowers sold by the purchasers of Bermuda bulbs, for this, as we have repeatedly pointed out is "burning the candle at both ends," apart from being an immoral practice. Furthermore, the prices fixed by the company are the same for all customers, and each individual member of the company is bound to sell to the company at the fixed scale of prices, just as growers who are not members of the company are bound to do. F. R. Pierson, the agent of the company in the United States, will not be able to buy his bulbs one cent cheaper than Peter Henderson. The terms of the agreement preclude anything of the kind; they prevent anything like a corner on bulbs by the company and an unreasonable advance in the prices.

Such being the case, it seems only too clear that it is to the interest of every bulb-grower to strengthen the hands of the company. The grower who fails to do this will surely regret it. The bulb-grower who places his bulbs in any hands outside of the company's will be giving a stick with which to break his own head, because he will simply be giving the company's opponents the wherewith to break the market price. What the growers, one and all, must bear in mind is that the existing arrangement has been entered into for the general good; it is a cooperative not a monopolizing arrangement, and while its success means the improvement of the present conditions and the future prospects of the bulb trade of the colony, its defeat means utter ruin, present and future, to that trade. If ever absolute united action were needed in this business, now is the time, and it would be a deplorable circumstance if those who for private and selfish reasons are hostile to the movement should succeed in defeating it.—Editorial in *Bermuda Colonist*, February 6, 1895.

WETHERSFIELD.—Deacon Robbins has been sick with the grip but is now improving.

VISITED NEW YORK: J. C. Robinson, Waterloo, Neb.; William Meggat; both report trade good.

W. KUNTZE of the firm J. C. Schmidt, Berlin, died January 28, aged 23 years.

A RECEIVER is reported to have been appointed for F. S. Posson & Son, incorporated, of Portland, Oregon.

The Water Garden.

Lovers of aquatic plants will find much to admire in a series of choice photographic views which Mr. S. C. Nash has had reproduced from photographs taken in his water garden at Clifton, N. J. Most florists have among their customers aquatic enthusiasts, and recognizing the helpfulness of these illustrations to such florists in their business, as suggesting ideas in aquatic gardening, especially in the very important matter of the treatment of the margins of ponds, Mr. Nash has had a few extra sets made which those who are interested may obtain from him at a nominal price. The views are from etched copper plates; no card or advertisement disfigures them, and each one of the eighteen which constitute the set is a gem in itself.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, SEED GROWER,
QUEDLINBURG, GERMANY.

BURPEE'S SEEDS ARE THE BEST
For Florists and Market Gardeners.
WARRANTED;—"Few Equal—None Better."

Special Wholesale Price List mailed Free on application, together with "A BRIGHT BOOK ABOUT SEEDS," novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

YOURS FOR A GOOD HARVEST
If you plant Gregory's Seeds. These Seeds, famous through many years, have turned the tide of success toward a great many sowers. Perhaps they are all that you lack. The whole story about
GREGORY'S SEEDS
is told in Gregory's Catalogue for 1895—a book that helps solve all the problems of planting; sets you right when in doubt; gives in detail the best farming knowledge right up to date. It's free. Ask for it.
J. J. H. GREGORY & SON, Seed Growers, Marblehead, Mass.

P. VOS & CO., Sassenheim, Holland,
GROWERS OF
Hyacinths, Tulips, Crocuses, Narcissus, etc.

WE ARE ABLE TO QUOTE THE LOWEST PRICES FOR WHOLESALE DEALERS.

Cox Seed & Plant Co.
SAN FRANCISCO, CAL.,
Seed Growers
AND NURSERYMEN.

Contract Price List on application. . . .

SCHWAKES SEEDS
404 EAST 34 ST. NEW YORK.
OUR SEEDS HAVE BEEN PERSONALLY SELECTED IN EUROPE.

WE SELL SEEDS
Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
Seed Merchants and Growers.
114 Chambers Street, NEW YORK.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

FOR SPECIAL OFFER OF TULIPS, Etc.
By the thousand or ten thousand, only of one variety, from J. SCHILPZAND & SONS, Hillegom, Holland, apply to their agent:
C. RAOUX, P. O. Box 2938, New York City,

CHOICE FLOWER SEEDS FOR FLORISTS
Our Specialty.
Fresh seed just arrived. New crop Sweet Peas just received.
Price List for florists free on application.
HERRMANN'S SEED STORE,
413 EAST 34TH STREET,
Near Long Island Ferry, NEW YORK.
Mention American Florist.

FROM JAPAN.—Bulbs, Seeds, Trees, Palms, Etc.
FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.
FROM CALIFORNIA.—Bulbs, Seeds, Trees, Etc.
Orders booked up to Dec. 1 for *Cycas Revoluta* Stems. Send for our new and interesting Catalogue '94-'95.
H. H. BERGER & CO.,
(Established 1878.) SAN FRANCISCO, CAL.
Oldest and most reliable import house.

BULBS.
Hulsebosch Bros.
ENGLEWOOD, N. J.
SELL ALL KINDS CHEAP.
Mention American Florist.

SEEDS
Of all kinds, true to name and fresh.
Jos. F. Dickmann,
1110 N. Third St., and Gravois and Oregon Ave.,
Send for my New Catalogue, FREE. ST. LOUIS, MO.

SOMETHING OF INTEREST TO Market Gardeners and Truckers
to be had for the asking. Write now for it.
Address **JOHNSON & STOKES, Seedsmen,**
217 & 219 Market St., Philadelphia, Pa.

Cleveland.

Wamelin Bros. will close their city store the last of this month and retire from the retail business. They will wholesale cut flowers from their Woodland Hills greenhouses.

Mr. and Mrs. J. M. Gasser, and Mr. and Mrs. W. H. Beaumont left for New Orleans this week to be present at the Mardi-Gras. They will be gone several weeks, visiting in several southern cities.

All the down-town florists report trade as fair, with an occasional spurt. Brides and Bridesmaid are coming in exceptionally fine just now. Beauties have been off-crop ever since Christmas. Gasser will begin cutting his first hybrids and Brunners this week.

Charles Erhart is remodelling, painting and burnishing the inside of his store. He now has one of the neatest florist stores in the city. L. F. D.

Measuring Glass Surface.

Replying to I. G. S., "square feet of glass in a greenhouse" refers to the number of square feet of glass roof. In the case of your 11-foot house which has a 6-foot sash on each side the glass surface would be 12 feet in width on that house. No, the laps are not considered.

But as the measurement is intended to give an idea of the size of the house, and as roofs vary in pitch, it has always seemed to us that a better way is to give the square feet of ground surface covered by the house.

Our Annual Spring Number.

Our annual special spring number will be issued March 16. We have some splendid special features in preparation for this number and it will be a decided advance, both in value of matter and beauty of illustrations, on any of our previous special numbers. What more can be said?

CARNATIONS

READY NOW.

Rooted Cuttings.—20,000 Daybreak; 50,000 more March 1st. Other varieties in proportion—McGowan, Mrs. Fisher, Helen Keller, Sweetbrier, Stuart, Buttercup, Iago, Scott, Albertini, Cartledge, Aurora, Portia, Dorner and others.

Write for prices, stating how many you will want of each variety. The price will be reasonable and the stock warranted well rooted and healthy, with the privilege of not accepting it if found otherwise.

A few Lancaster Beauty Verbena ready at \$2.00 per 100. This is a real good thing and a money maker.

ALBERT M. HERR,
L. B. 496. **LANCASTER, PA.**

ROOTED CUTTINGS

CARNATIONS

\$1.00 per Hundred.

SILVER SPRAY, HINZE'S WHITE, AURORA, GRACE WILDER.

OTTO HANSEN, Mont Clare, Chicago.

Carnations & Violets.

Well rooted Cuttings, and perfectly healthy.

	Per 100	Per 1000
LIZZIE MCGOWAN.....	\$1.25	\$10.00
PORTIA.....	1.25	10.00
LADY CAMPBELL VIOLETS, well-rooted runners.....	1.25	10.00

Cash with order.

PETER BROWN, FLORIST,
LANCASTER, PA.

TWO POINTS

FOR CARNATION BUYERS.

GET THE BEST.

Here's a quartette of them: W.L. SCOTT, finest pink of solid color; ALBERTINI, peerless, in all qualities; DAY-BREAK, unrivalled in its delicate flesh tones; MCGOWAN, the white of whites.

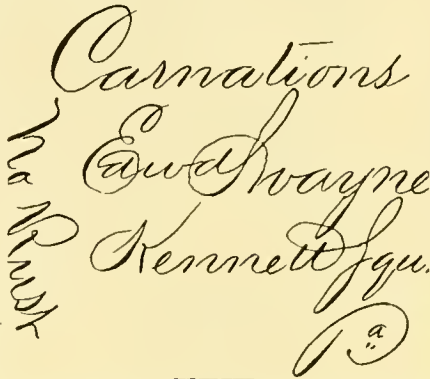
GET THEM GOOD.

We grow them cool, root them cool, and take our cuttings from blooming stems only, carefully selected, carefully rooted, and carefully packed for shipment. Our stock is in fine health and vigor.

Our prices are \$3.00 per 100 for Scott and Albertini; \$2.50 for Daybreak, and \$2.00 for McGowan. For quantities above 500, write us. Terms cash.

ALEX. MCBRIDE,

ALLAUS, N. Y.



NEW.

OPHELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$8.00 per 1000.

ELDORADO.—(Sheimire). Introducer's description in stock. A yellow of free bloom and habit and the other necessary qualities of a good carnation has long been a desideratum. In Eldorado we have a strong vigorous plant, healthy foliage and finely formed flowers. The cuttings are easy to root and the plant is very prolific in both blooms and cuttings. Light yellow, or, perhaps, nearer a buff, and free from all white markings. Petals edged with a narrow band of light pink, being almost a picotee in marking. The flowers look yellow by artificial light and not white, as many yellows do. \$2 per dozen; \$12 per 100; \$100 per 1000.

KOHINOOR.—(mountain of light) (Pennock). Introducer's description and stock. The choice of over 400 varieties after 3 years' trial. It is the best white I have ever grown. Plant robust, stem long, stiff and erect. Flowers full, deeply fringed, occasionally touched with pink blush, and extremely attractive, measuring 2 1/2 to 3 inches across without any forcing or dabbling. Comes quickly with bloom and continues prolific throughout the season.

STANDARD.

	100.	1000
Sweetbrier.....	\$5.00	\$40.00
Helen Keller.....	"	"
Uncle John.....	"	"
Stuart.....	"	"
Buttercup.....	4.00	35.00
Scott.....	3.50	25.00
Daybreak.....	2.50	20.00
Cartledge.....	2.00	15.00
Portia.....	1.50	12.50
McGowan.....	"	"
Fisher (from soil for Summer).....	"	"

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

Walter R. Cliffe, of Germantown, Pa., has been the first in this locality to appreciate the virtues of Swainsona Galegifolia Alba. He has an entire house of it, and the beautiful pea like blossoms backed by its feathery plumed foliage, have, he claims, paid him better than anything else he has grown this Winter. We are enabled to offer his stock at \$4.00 per 100; \$35.00 per 1000 for rooted cuttings; \$6.00 per 100 2 1/4 pots. Ready Feb. 15th.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and exclusively for cuttings and plants.

Inspection and correspondence solicited. Descriptive price list on application.

C. J. PENNOCK,

The Pines. **KENNETT SQUARE, Chester Co., PA.**

When writing to any of the advertisers on this page please mention the American Florist.

PRICE LIST
ROOTED CUTTINGS CARNATIONS, ETC.

NEW SEEDLINGS 1895.

Eldorado, yellow edged pink stock, 1 1/2 d	Doz.	100.	1000.
Kitty Clover, a fragrant yellow var.	1.50	8.00	75.00
Eulalie, yellow and pink var.	1.50	8.00	75.00
Princess Bonnie, pink var.	1.50	8.00	75.00
Dr. Warder, crimson	1.50	8.00	75.00
Daisy Bell, var., similar to H. Keller.	1.50	8.00	75.00
Lawrence Thompson, pink.	1.50	8.00	75.00
Ophelia, pink	1.50	10.00	80.00

The above varieties are all bringing the top price in the Philadelphia market.

GENERAL COLLECTION.

Sweetbrier, pink.....	\$0.75	\$5.00	\$45.00
Helen Keller, variegated.....	.75	5.00	45.00
Purple Gem, magenta.....	.40	3.00	25.00
Wm. Scott, pink.....	.40	3.00	25.00
Mme. Diaz Albertini, pink.....	.40	3.00	25.00
Buttercup, yellow variegated.....	.75	4.00	30.00
Stanley, terra cotta variegated.....	.75	4.00	30.00
Daybreak, light pink.....	.40	2.50	20.00
Thos. Cartledge, dark pink.....	.35	2.00	15.00
Bruna, red.....	.35	2.00	15.00
Cesar, variegated, red and white.....	.40	2.00	15.00
Chester Pride, variegated.....	.35	2.00	15.00
J. R. Freeman, maroon.....	.35	2.00	15.00
Puritan, white.....	.35	2.00	15.00
Tidal Wave, dark pink.....	.35	2.00	15.00
L. L. Lamborn, white.....	.35	2.00	15.00
Bruna, red.....	.35	2.00	15.00
Wm. F. Dreer, dark pink.....	.25	1.50	12.50
Nellie Bly, variegated red and white.....	.25	1.50	12.50
Grace Wilder, pink.....	.25	1.50	12.50
Lizzie McGowan, white.....	.25	1.50	12.50
Portia, scarlet.....	.25	1.50	12.50
Mrs. Fisher, white.....	.25	1.50	12.50
Annie Pixley, pink.....	.35	2.00	15.00
Lola Haette, white fringed.....	.35	2.00	15.00
Hawa I, yellow variegated.....	.35	2.00	15.00
Angelus, pink.....	.35	2.00	15.00

Marie Louise Violets.....	.20	1.00	8.00
Swanley White.....	.20	1.00	8.00
Lady Campbell, white.....	.35	2.00	15.00
Giant Double Alyssum.....	.20	1.00	8.00
Coleus, 12 new kinds by mail.....	.20	2.00	
Set of 12.....		50c	
General list Coleus, by mail.....		1.00	
By express.....		6.50	
Red and yellow Verschafteldt and other yellow.....		3.00	8.00
Stock plants general list.....		3.00	
Verschafteldt and yellow.....		4.00	

W. R. SHELMIER, Avondale, Pa.

NEW YELLOW CARNATION
DEAN HOLE.

The most brilliant color of any in this class and a fine bold flower, with fine, stiff stem, a very strong, sturdy grower. Flowers of this variety have sold all through this season in New York at \$8.00 per 100.

Strong transplanted, well-rooted cuttings, \$3.00 per 100; \$75.00 per 1000. Ready March 1st.

I have now ready for delivery extra fine stock of

	Per 100	Per 1000
Bouton d'Or.....	\$8.00	\$70.00
Helen Keller.....	5.00	40.00
Mme. Albertini and Wm. Scott.....	3.10	25.00
Jacqueline, Sweetbrier, The Stuart.....	4.00	30.00
Daybreak, Iago.....	2.50	20.00
Edna Craig.....	2.00	15.00
Lizzie McGowan, Portia, Puritan, Tidal Wave.....	1.50	12.00

JOHN N. MAY, Summit, N. J.

THE NEW WHITE CARNATION

MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

	Per 100	Per 1000
We offer them, 2 1/2-inch pots.....	\$9.00	\$80.00
Lizzie McGowan, rooted cuttings.....	10.00	
ROSES—Bridesmaids, 2 1/2 inch pots.....	3.00	25.00
Brides, 2 1/2-inch pots.....	3.10	25.00

Orders booked for delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

CARNATIONS.

Healthy, well-rooted Cuttings now ready.

	CASH WITH ORDER.	Per 100	Per 1000
Dnybreak, Tidal Wave.....		\$2.00	\$15.00
Wm. Scott, Mme. Diaz Albertini Mrs. Reynolds.....		2.50	20.00
McGowan, Puritan, Portia.....		1.50	10.00
G. Wilder, S. Spray, White Wings.....		1.50	10.00
Helen Keller, Bouton d'Or.....		4.00	35.00

A. T. JACKSON, Station X, Bowmanstown, Ill.

Mention American Florist.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

NEW CARNATIONS.

BRIDESMAID, bright clear pink.	per 100	Per 1000
METEOR, deep brilliant crim. scarlet	\$10.00	\$75.00
STORM KING, show white	10.00	75.00
Ready April 1st, 1895.		

UNCLE JOHN, pure white	5.00	40.00
THE STUART, scarlet	5.00	40.00
E. A. WOOD, variegated	5.00	40.00
GOLDFINCH, yellow-edged pink	5.00	40.00
WM. SCOTT, pink	3.00	25.00
DIAZ ALBERTINI, pink	3.00	25.00
DAYBREAK, pink	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100. Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON,
La Fayette, Ind.
Mention American Florist.

THE COTTAGE GARDENS, Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

CARNATIONS—ROOTED CUTTINGS

\$9.00 to \$25.00 per 1000.

COLEUS—Rooted Cuttings, 75 varieties, my selections, in 40 or 50 varieties, \$1.50 per 1000 by express; 70c. per 100 by mail.
GIANT DOUBLE ALYSSUM, 70c. per 100; \$6.00 per 1000.
LADY CAMPBELL VIOLET, \$1.25 per 100; \$10.00 per 1000.
NO RUST. NO FUNGUS. NO MEALY BUG.
WM. H. SEARCH, Avondale, Chester Co., PA.

Carnation Mrs. Fisher IMPROVED.

Strong Rooted Cuttings, free from disease, \$2.00 per 100; \$15.00 per 1000.

CHARLES EVERDING, Branford, Conn.

Carnations. NOW READY.

WM. SCOTT, from sand.....\$3 per 100; \$25 per 1000
LIZZIE MCGOWAN, from sand..... 2.50 " 20 "

The above varieties are from "specially selected stock." Do not be misled by cheap offers. Poor stock is dear at any price. Plants from soil will be ready February 15th.

CHARLES H. ALLEN,
FLORAL PARK, N. Y.

PLEASE SEND CASH WITH ORDER.

"THE CARNATIONS."

WM. SCOTT, Rooted Cuttings.....	Per 100	Per 1000	DAYBREAK, Rooted Cuttings.....	Per 100	Per 1000
LIZZIE MCGOWAN, Rooted Cuttings..	\$3.00	\$25.00	ALBERTINI, Rooted Cuttings.....	\$2.50	\$20.00
TIDAL WAVE, Rooted Cuttings.....	2.50	20.00	BOUTON D'OR, Rooted Cuttings.....	8.00	70.00

Wm. Scott and Lizzie McGowan now ready, in any quantity, from "choicest stock."

Cash with all orders.

DAILLEDOUZE BROS., FLATBUSH, BROOKLYN, N. Y.

THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free.	\$12.00	\$100.00
ROSE QUEEN—New, fine commercial pink	12.00	100.00
CORSAIR—The scarlet McGowan	10.00	75.00
ALASKA—New, white, large, productive.	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet	10.00	80.00
WM. SCOTT—Clear pink, very free.	5.00	25.00
GOLDFINCH—The best yellow	5.00	40.00
DAYBREAK—Light pink, fine	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATIONS

Healthy well rooted cuttings now ready.

Wm. Scott and Mme Diaz Albertini.	\$2.50	\$20.00
Daybreak and Tidal Wave	2.00	15.00
Lizzie McGowan, Wilder and Portia	1.50	10.00
Buttercup.	3.50	30.00

☞ Cash with order. 10c. per 100 extra when shipped by mail.
FERNS—Choice varieties, from 2-in. pots \$3.00 per 100
PETUNIAS—Double Fringed, choice varieties, from 2½-inch pots 3.00 per 100
GERANIUMS—Fine Double and Single varieties, from 2½ inch pots..... 3.50 per 100
☞ Cash with order. Price list on application.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.

Good, healthy stock, well rooted, ready by January 1st, 1895.
Rooted Cuttings GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC. Write for price list.
E. J. CLOUD, Avondale, Chester Co., Pa.

CARNATIONS

HELEN KELLER, rooted cuttings.....	Per 100	Per 1000
Out of 2½-inch pots	\$4.00	\$35.00
Rooted cuttings of the following varieties	2.50	20.00
Daybreak, Silver Spray, Edna Craig, Lizzie McGowan, Tidal Wave and Portia.		

Also a full line of Florists Seed, all imported, at low prices. Terms Cash with order.

E. HIPPARD, Youngstown, O.

Garnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

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ALL THE NEW AND TESTED CARNATIONS OUR SPECIALTY.

Send for price list and estimates on large quantities. Large stock of WM. SCOTT.

FISHER & AIRD,
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On this subject, it requires only an ordinary ganglion to disclose the fact that CARNATIONS make stronger, healthier stock when grown cool—on ground beds—and in a new house.

RUST has never visited us (barring Mr. David Rust of the "Exchange"), and clean, vigorous stock of the following list will be at your disposal on and after Feb. 1st, 1895.

Opheles, new, large, medium pink.....	\$10.00	\$80.00
Sweetbriar, pink.....	5.00	45.00
Wm. Scott, pink.....	3.00	25.00
Daybreak, pink.....	2.50	20.00
These. Cartledge, carnine, scarlet at night.....	2.00	15.00
Portia, white.....	2.00	15.00
Lamborn, white.....	2.00	15.00
McJown, white.....	1.50	12.50
Mrs. Fisher, white.....	1.50	12.50
Portia, scarlet.....	1.50	12.50

Other standard varieties if desired.
Excellent stock of Lady Campbell Violets now ready.
"THE SLOPE," C. S. SWAYNE,
KENNETT SQUARE, Chester Co., PA.

CARNATIONS.

NOW READY.

Helen Keller, Ada Byron.....	Sand	2-inch Pots.
Adelaide Kresken, Jacqueminot.....	\$4.50	\$6.00
Buttercup, Daybreak.....	2.00	4.00
McGowan, Portia, Wilder.....	1.50	2.50

ROSES. READY FEB 15.

Bride, Meteor.....	3.00
Bridesmaid, Perle.....	3.00

Healthy stock. Special 1000 rates.

Ferns on application—Buds, 2-inch pots, etc.
GENISTAS, 2-inch pots..... \$6.00 per 100
LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES,
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50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no RUST. Also rooted Mums, Lady Campbell Violets. Send for Price List.

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Dark blush pink. Rooted Cuttings, \$8.00 per 100; \$65.00 per 1000. Good stock. Sample blooms sent free.

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Strong and healthy rooted cuttings of the following ready now:

5,000 BUTTERCUP.....	Per 100	Per 1000
10,000 LIZZIE MCGOWAN.....	\$3.50	\$30.00
10,000 TIDAL WAVE.....	1.50	12.00
15,000 DAYBREAK.....	1.50	12.00
15,000 PORTIA, 15,000 SILVER SPRAY.....	1.25	10.00
15,000 AURORA.....	1.50	12.00
50,000 well rooted runners of LADY CAMPBELL Violets.....	1.25	10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

Carnation Cuttings

EDNA CRAIG.....	Per 100	Per 1000
DAYBREAK, TIDAL WAVE.....	\$3.00	\$25.00
GRACE WILDER, SILVER SPRAY.....	2.50	20.00
MCGOWAN, HECTOR.....	1.50	12.50
SWETBRIER.....	2.00	15.00
5.00	40.00	

Grown cool, and only healthy, selected stock taken

BELL MILLER, Springfield, Ill.

Cincinnati.

While a fair amount of trade is going on and there is no great oversupply of anything in the cut flower line coming in, yet it is unquestionably true that business is not what it should be if it is to compare favorably in the end with past seasons. The bustle and rush we have been accustomed to see in large retail stores during January and February is not the case, and the store people show it in their faces even if they do not always acknowledge it, while the growers are plainly disappointed at the absence of the old fashioned scramble for their goods which they have in the past depended upon to average up for the depressing times of the early fall. Any decided revival in the trade would be quickly felt by the growers, as there is really but a limited supply of first-class stuff coming in. Good roses and carnations of all colors are well cleaned up every day, but the call is not sufficient to tide the poor stock through with the good. Lily of the valley has been rather short supply, but this may be attributed to the timidity of the growers rather than to any excessive demand. Tulips, if white, sell fairly well, but if red there is no show for them whatever. Violets are scarce.

Prices are good here at present. Good Bridesmaids are bringing \$8, Perles \$4 to \$6, violets \$1 to \$1.50 a 100, callas \$1 a dozen, tulips \$3 to \$5, Roman hyacinths \$3 to \$4, carnations \$1 to \$1.50 for white and red \$2 to \$3 for Wm. Scott and Day-break. Harrisii lilies are scarce and bring \$15 per 100; other stock in proportion.

The greenhouses and place of the Huutsman Floral Co. will be sold at sheriff's sale February 20. The houses are almost new, and cost between \$8,000 and \$9,000 to build.

The greenhouses of Magric & George were partly destroyed by fire last week, damaging the stock to the amount of \$100. The houses were insured. Cause of fire unknown.

Mr. Tom Jackson of Covington is on the sick list.

Mr. Peterson of 4th street has a fine collection of azaleas in his show window.

Our special spring number will be issued March 16 and will be a beauty.



New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advices, floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).

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VERBENAS, full of life and vigor, from robust seedlings of Mammoth grown, summer of '91. A selection of very best bright colors. Strong rooted cuttings, \$6.00 per 1000; 75 cts. per 100.

COLEUS, 24 distinct best bedders, plenty red and yellow, \$6.00 per 1000; 75 cts. per 100.

CANNA Mme. Crozy, dormant bulbs, 75c. per 12. ALBERT M. HERR, L. B. 496, LANCASTER, PA.

A New Canna!

"THE PROFESSOR."

We take pleasure in offering this Canna to the Trade, and feel sure that it will please all who purchase it. It originated with me, has been tested on my grounds for the past three years, and has been very highly spoken of by all who have seen it.

The foliage is a very dark purple, nearly black, and colors up well in the full sun. The flowers are of fair size and substance, and of a deep crimson color; they are by far the best we have seen in the dark foliage section of this popular plant.

Its habit of growth is dwarf, and its average height is about 3½ to 4 feet.

We consider this Canna a valuable acquisition and hereby offer it for the first time.

Price for started plants from pots (ready after March 15, 1895), 75c. each; \$7.00 per doz.

N. B.—All orders will be filled strictly in rotation.

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Rooted Cuttings.

HELIOTROPE.....	Per 100	\$1.00
CUPHEA.....		.75
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VERBENAS.....		.50
HELIOTROPE, from 2-inch pots.....		1.50

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	Per 100	Per 1000
5 to 7 feet.....	\$8.00	\$70.00
4 to 5 feet.....	6.00	50.00
1 to 2 feet.....	3.00	25.00

Prairie Queen Rose... 7 00

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2000 Centaurea Candidissima, 2¼-inch.

500 Othonna Crassifolia, 2½-inch.

500 Musk Plants, 2¼-inch.

500 Lobelia gracilis, for baskets and vases, 2½-inch.

This stock is well grown and ready for larger pots, at \$3.00 per 100, or \$25.00 per 1000.

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CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$8.00 per 1000.

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	Per 100	Per 1000
Golden Queen & C. Verschaffeltii, rooted cuttings.....	.75	\$6.00
Coleus in variety.....	.60	5.00
Geraniums in flats.....	1.75	15.00
Geranium Mme. Salleron.....	1.25	10.00
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Two shades of the best tall old dark bronzed sorts, single eyes, dry bulbs, extra good and sound. \$3.00 per hundred. Cash with order.

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Our selection, all good, well grown, named varieties. 10 at 100 rate. Per 100

Begonias, 20 varieties.....	\$4.00 & \$6.00
" Rex, good assortment.....	6.00 & 8.00
" Manicata aurea.....	10.00
Fuchsias, best varieties.....	3.00 & 4.00
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Begonias.....	1.50
Geraniums, bronze and silver.....	1.50
Ageratum, Brighton Beauty.....	1.00
Ageratum, White Cap and Cope's Pet.....	.75

Cash with order. If to be sent by mail, add for postage 10c. per 100 for Alternantheras; 20c. per 100 for Coleus, Heliotropes, Fuchsias and Ageratums; 30c. per 100 for Begonias and Geraniums.

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Will keep a lawn green the whole year. Put up in cloth bags of 5, 20, 50 and 100 lbs. each.

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ROOTED CUTTINGS

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Kieffer and Bartlett Pears (2 years). Abundance and Burbank Plums. Japanese Persimmons (1 and 2 years). Scuppernong, Thomas and Flowers Grapes (1 and 2 years). Extra fine stock at greatly reduced prices.

GLEN ST. MARY NURSERIES,

G. L. TABER, GLEN ST. MARY, FLORIDA.

St. Paul, Minn.

In common with the rest of the country we experienced the cold wave. But unlike the rest of the country it was not accompanied by snow and blizzards. The ice formed so thick on most glass that it afforded a protection to the plants inside, by keeping the wind out. Bright warm weather now prevails and everything is looking better. On account of the weather the cut has not been up to the average, and for the same reason sales have been lighter. There has, however, been an unusual demand since New Years for funeral flowers, and as a consequence all white flowers, roses and carnations especially, have been very scarce. The sale of plants has been unusually quiet and scarcely any have been disposed of.

Bulbous flowers are plentiful but sales are light. L. L. May & Co. have an exceptionally fine lot of Dutch hyacinths, mostly Norma, which they are selling at 10 cents each or 3 for 25 cents. This is a pretty low figure but attracts people to the store and helps sales on other things as well. Besides, there is money in them even at that price.

The monthly meeting of the Florists' State Society was held the 8th inst. in L. L. May & Co.'s offices on Como avenue. There was a good attendance and an enjoyable meeting. Several members provided music and as the superintendent, Mr. Souden, had decorated the room with palms the meeting evoked a sociable feeling in all present.

The resignation of the secretary was tendered and accepted. Mr. Dysinger read a paper on Educational Factors in the Florist Business, which was warmly received and commended by all present. The speaker emphasized the importance of thinking as well as working, pointed out the several ways in which the business would be benefited by education, and paid a compliment to several of the prominent writers for the AMERICAN FLORIST who are doing good work in that line.

The Harrisii disease and its remedy were informally discussed, as also the wisdom of renting palms for decorative purposes at \$5 per dozen.

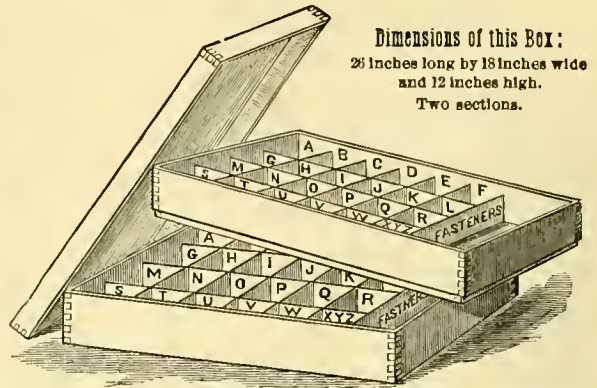
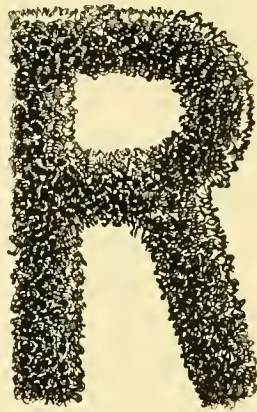
A rising vote of thanks was tendered the retiring secretary for his attention to business, also to Mr. L. L. May for the use of the room in which the meeting was held. A committee on entertainment was named for the next meeting to be held in Minneapolis.

Sample blooms of the new carnation Rose Queen were exhibited, inspected and criticised. The most favorable comments were made regarding its color, etc., though one of the prominent local growers predicted its early abandonment owing he said to its short calyx. Either it would burst badly or the bloom would be small.

Mr. Cary I. Warren, proprietor of Warrendale greenhouses, has just returned from a trip to Kentucky, where he has taken his family to reside permanently. He will, however, retain his business in this city.

Mr. Robert A. Currie, for the past three years superintendent of the Warrendale greenhouses, has accepted a similar position with the State Hospital at Columbus, Ohio, and has removed himself and family to that city. His many friends in this section regret his departure and wish him success in his new location. F.

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Excellent Wash for Plants, Dogs, Cattle, Poultry, etc., intended for show.
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Toronto.

The weather during last week was a decided improvement on the previous one and the contents of florists' stores have again become visible through the front window. In spite of the abnormal dip of the thermometer no serious damage appears to have been done to florists' stock, the snow materially assisted in keeping out the cold, in fact in the greenhouses under my charge I had less trouble in keeping up the heat than at other times when the thermometer was not so low outside.

The sunshine of last week has made flowers considerably more plentiful, and there are some fine displays in the store windows; business, however, though better is not by any means rousing. Considerable design work is reported by some of the florists in the residence parts of the city.

A good deal of important business will come up at the regular meeting of the Gardeners' and Florists' Association this week, which promises to be an interesting one and largely attended. It is time to be getting the chrysanthemum show of 1895 under way now and the ways and means will have to be discussed and a committee struck. The "Horticultural Society committee" will report progress, and this report will also make food for lots of talk. The printed financial statements of the chrysanthemum show of 1894 and the general association will also be given out. E.

Poughkeepsie, N. Y.

The second meeting of the Dutchess County Horticultural Society was held here February 6, there being a very good attendance. The constitution and by-laws submitted by the committee appointed to draft and prepare them was approved and unanimously adopted.

Committees were appointed to arrange preliminaries for an autumn exhibition, to award certificates of merit to worthy exhibits at the regular monthly meetings, and one on essays and publication, same to have charge of the question box and entertainment.

Mr. P. O'Mara of New York was present and gave much acceptable assistance by his practical suggestions.

The next meeting will be held March 6 at 1:30 p. m. W. GOMERSALL.

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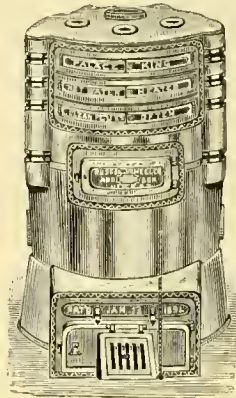
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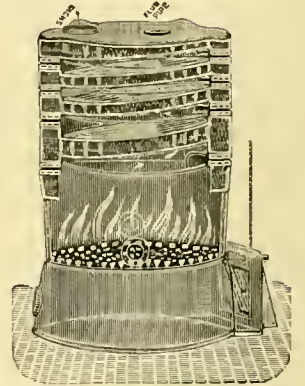
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Announcement to Florists.

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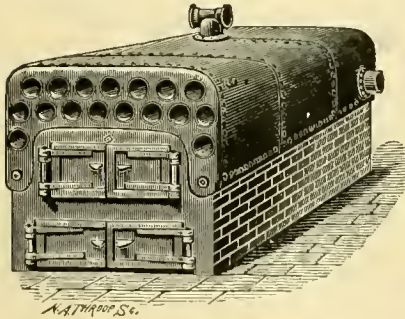
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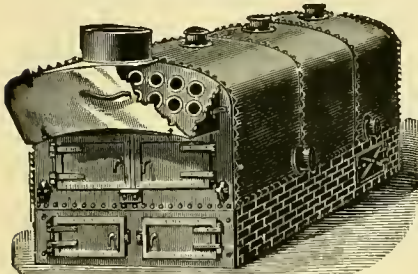


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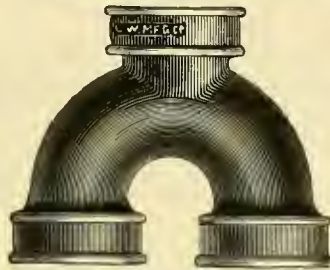
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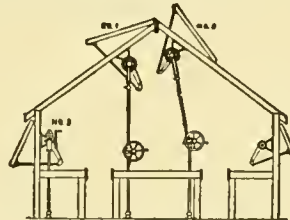
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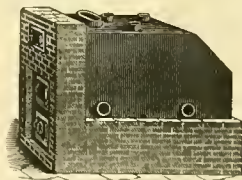
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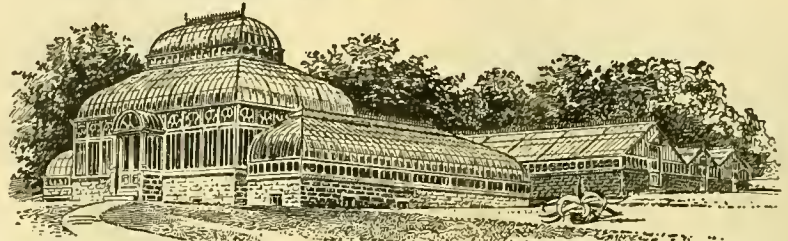
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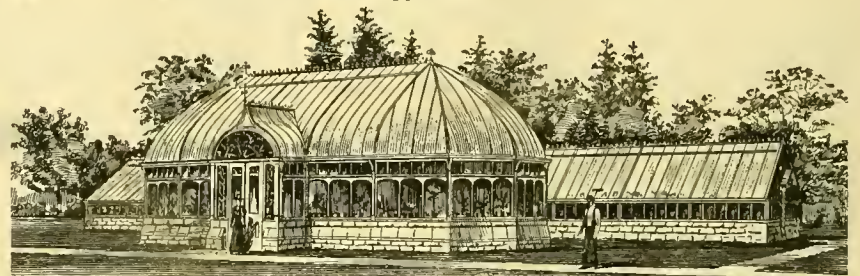
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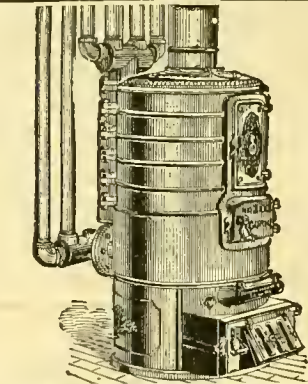
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THE AMERICAN FLORIST



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Vol. X.

CHICAGO AND NEW YORK, MARCH 2, 1895.

No. 352

THE AMERICAN FLORIST

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PUBLISHED EVERY SATURDAY BY

THE AMERICAN FLORIST COMPANY,
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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RICHLAND CENTER, Wis.—S. I. Freeborn, the nurseryman, died February 5.

BERLIN, N. J.—The greenhouses of Joshua Barton were destroyed by fire February 18.

WORCESTER, MASS.—Wm. Cruickshanks, well known to the old gardeners and florists of Boston and vicinity, died February 18, aged 74 years.

PARIS, FRANCE.—Mr. Al. Pillaud, formerly owner of the Fafayette Floral Co., Salt Lake City, is now connected with the firm of J. Floucaud of this city.



The American Carnation Society.

The attendance at the sessions of the second day of the Boston convention was not quite as large as at those of the opening day. The first business in order was the reading of reports on awards. It was announced that the special premium of \$25.00 offered by the *Florists' Exchange* for the vase of flowers showing best culture had been awarded to Edwin Lonsdale for a vase of Helen Keller.

A communication was read inviting the society to visit the Ware collection of glass flowers at Harvard, after which the address of President Dailedouze delivered yesterday, was re-read, and its recommendation in regard to sectional committees to examine and report on new varieties of carnations was discussed at some length.

Mr. Chas. H. Allen stated that the New York Florists' Club had adopted a plan of having a permanent local committee on awards, and he favored the adoption of a similar plan by the various florists' clubs in the country for the special purpose of examining new varieties of carnations and awarding certificates where such are deserved and advised that the executive committee of the society request the different clubs to take action on this matter.

Mr. J. N. May said he thought the appointment of such committees would result in great benefit to the different sections, and that this work of the society ought to be something more than child's play. Exhibitions of new varieties brought 1500 miles from where they were grown were often in no condition to be judged. Committees nearby could decide much more intelligently on their merits. It was important, however, that proper men be selected for the committees, as it was too often the case that partiality had been shown on such occasions, and only men that could be relied on for fair judgment should be placed on the committee.

Mr. Lonsdale approved of the idea, but was of the opinion that it would require a great deal of thought to put it into successful operation and he believed it would be best to have it referred to a special committee or to the executive board. To examine varieties as they are growing would certainly be a great advantage and specially valuable as regards novelties. New varieties should be tested in the different parts of the country and these committees should examine them at

least twice a year. When this Carnation Society was formed that idea had been advanced at the opening meeting. All florists know that buying novelties is a lottery under the present methods. The matter was referred to the executive committee with power to act.

Mr. E. G. Gillett then read a short paper entitled "Why is the Carnation a Popular Flower." The following is an abstract:

Why is the young lady just blossoming into womanhood, who always has a smile and a kind word for everyone, whose disposition is faultless, why is she popular? For the same reasons the carnation is popular. As it is grown to-day it is a thing of beauty, its smile is lasting, it has all the good features of form, color and keeping qualities. It is used in all classes of society. It can be found in any circle from the lowest to the highest, and it matters not in what company it may be, it is always at home. It is reasonable in price and beautiful in appearance. It graces all social gatherings. It has reached such a degree of perfection that it takes a back seat for no other flower. This advancement has been made within the last few years; it has taken care, time and money to bring it about, and to day there is no other flower so universally popular as the carnation. It occupies a seat in the front row, and it holds a check for that seat. It is a money maker for the florist and it has come to stay. Allow me to congratulate the growers who have brought the divine flower so near perfection; I say so near perfection because there is no knowing what you will do in the future. You always have surprised us, and we are always ready to be surprised.

Mr. Edwin Lonsdale then read a paper on "Carnations that I have seen," which proved to be a most valuable historical and critical review. He gave a concise description of all the leading varieties, taking them alphabetically from Albertini to White Dove, and noting their origin, their weaknesses and their elements of strength. He referred to several which had remained in favor long enough to discredit the prevailing impression that the carnation is a short lived plant and must be constantly growing new varieties to take the place of those which die out. He spoke of his experience with varieties which did not succeed in his hands at first, but finally proved valuable, and to others which won in competitions, but soon sank into oblivion, and advised his hearers to be lenient in their judgment and to go slowly in condemning or strongly endorsing new sorts. We select the following from among the most interesting points noted in his essay.

President DeGraw and La Purite were my first acquaintances in carnations. I was surprised to find that La Purite was red, as I thought from its name that it

ought to be white, and the name DeGraw might as appropriately be applied to the red variety as the white. I am not quite sure that I didn't change the labels. I never felt quite satisfied that the names hadn't got mixed somehow.

Madame Diaz Albertini has great vigor and size of stem and flower, but the color is not so cheerful as it might be.

Andalusia was one of the parents of Cæsar. This led me to expect that Cæsar would be specially prolific in yellow progeny. In this I was disappointed.

La Belle was a novelty introduced in the seventies, and its virtues were loudly proclaimed. It was represented in the cuts as trained on a big balloon trellis, and the price was \$1 a plant.

The advance in quality and price and the popular appreciation of modern grown carnations have not made carnation growing any more profitable than under the old conditions. When from a table 6 feet by 80, fifty thousand short stemmed blooms could be cut in a year there was as much money in it as there is now.

I never had any success with Buttercup until I got stock from New York parties and kept it under glass all summer; then I got grand results. I believe that in future many of the choicest varieties will have to be grown under glass all summer.

I have often thought that a self colored yellow sport from Bouton d'Or would be a decided acquisition.

Daybreak is the best variety ever disseminated, taken all in all.

Under certain conditions any and all varieties will take rust.

For summer blooming Mrs. Fisher has no equal.

Maud Dean is vastly superior to Dawn, which it entirely supersedes.

Hector, from which great things were expected, proved a disappointment in many ways. Results with it vary greatly.

Helen Keller I hesitate to say much about. But it sold for more money in Philadelphia the past season than any variety that had ever been offered there. The notion that a carnation is no good unless of solid color is an old idea which is fast breaking down and giving way to more rational views.

I have seen old La Purite with one hundred and twenty to one hundred and fifty flowers and buds on a plant at one time. I question if any variety can beat that in these times of progressive horticulture.

The flower of the French variety Miss Moore is the most perfect in form of all carnations.

Spot has checked the career of more seedlings than any other cause.

Mrs. Carnegie was one of the parents of Helen Keller.

We are still looking for the scarlet carnation which has all the best characteristics of Portia but is twice as large.

If Mr. Dorner never did anything else but raise Wm. Scott he has done enough to win the gratitude of the trade all over the country.

The winners of trophies do not always in the long run prove to be the best varieties.

In the discussion that followed, Mr. Albert Herr gave his experience with The Stuart, which he succeeded well with by starting it early and growing it in solid beds with plenty of manure at a temperature of 60°. Mr. Dorner was also inclined to favor solid beds for this variety and Mr. Hill's opinion was that it required heat to bring out the bloom.

Mr. Eugene Dailedouze in reply to an inquiry as to how to propagate Bouton

d'Or successfully, advised early propagation. With late propagation not more than 30 or 40 per cent. of the cuttings will strike.

Mr. Dailedouze extended an invitation on behalf of the New York Florists' Club for the American Carnation Society to hold its next meeting at New York City, and the vote resulted in the unanimous selection of New York accordingly.

The nomination of officers being now in order, the following nominations were made: For president, Fred Dorner, Lafayette, Ind.; vice-president, J. N. May, Summit, N. J.; secretary, A. M. Herr, Lancaster, Pa.; treasurer, Chas. H. Allen, Floral Park, N. Y.

The afternoon session opened with the reading of a paper by Prof. Byron D. Halsted, of New Brunswick, N. J., telling how to distinguish the fungous diseases which attack carnations. He remarked that what he could say would be in substance a repetition of his paper read before the society two years ago. The main example to which he wished to call their attention was in the exhibition hall up stairs, where the five principal carnation pests might be seen under the microscope. He said that poor plants might be the result of unsuitable soil, or an uncongenial atmosphere or weak parentage. But outside of these causes, there were five principal sorts of fungoid growth which seriously affect them. These are carnation rust, leafspot, black speck, ring mould and bacteriosis. He had endeavored to hang their pictures in the rogues' gallery, so that they could easily be detected. Other diseases may sometimes attack carnations, but these five are the ones to be expected. He advised growers to have by them a good description of each, to examine the plants with the hand lens, and finally to add the compound microscope to their apparatus.

Replying to questions Prof. Halsted said that, when a plant gets thoroughly sick, it isn't of much account and had better be thrown away. That Bordeaux mixture stands at the head of all fungicides to-day and that sulphide of potassium is also of the greatest value. That fungous disease is not spontaneous; that neglect will not cause it, but will be one of the conditions favoring its spread. That he knows of no variety absolutely proof against rust. That bacteriosis may enter a plant through the pores of the leaf, and that as the texture of the epidermis may be different in various varieties it may be possible by microscopic examination to determine whether a specified variety is very susceptible or not.

Mr. E. G. Hill asserted that bacteriosis is to be dreaded fifty times more than the rust.

A hearty vote of thanks was then given Prof. Halsted for his paper and his kind services in providing the interesting and valuable microscopic exhibit.

The annual election was then held and resulted in the unanimous choice of all the gentlemen previously nominated. District vice-presidents were chosen as follows: New England states, William Nicholson; middle states, W. R. Shelmire; western states, Richard Witterstaetter; southern states, Benjamin Durfee; northwestern states, W. E. Kemble; Pacific states, F. Edward Gray; Canada, J. A. Miller.

A committee consisting of the secretary of the society and Messrs. Robert Craig and Edwin Lonsdale was appointed to revise the list of carnations, strike out the names of varieties no longer grown and prepare a new working list. The secretary was instructed to request the executive committee to devise a method for

securing promptly the names of new varieties.

After passing votes of thanks to the Massachusetts Horticultural Society for the use of its halls, to the Boston Gardeners' and Florists' Club for its hospitality, to the committee of arrangements and to the press, the society adjourned until next February.

Notes.

The most successful convention our society has ever held, is the verdict of all who went to Boston last week. Why? Simply that there were more growers in attendance who were thoroughly interested in the higher cultivation of the carnation and who wished to get every possible point that the essays and discussions brought out, also to see the new seedlings which are to be disseminated this or following years. The exhibition was far ahead of all previous shows in quantity and quality, both in new and old varieties. Probably the greatest interest was shown in the seedling class, comprising a majority of the novelties of this year.

E. G. Hill & Co. of Richmond, Ind., showed several very fine sorts, two of which, Armazinda and Triumph, received the society's certificate of merit. The former is a magnificent flower of very fine form, pure white ground delicately penciled with a deep crimson, but so faint are the markings that it could readily be used for any work where a white flower is needed, at the same time it is a distinct variegation. Triumph is a seedling from Wm. Scott, and in my opinion is an improvement over its parent; its form is bolder and stronger; the color is better than Scott, because it is a yellow pink, while the Scott is a purplish pink. This distinction is not generally understood, but if my readers will compare Scott and Albertini they will readily see why I make the distinction, and all growers of seedlings should watch this point very closely. Hill & Co. had several other seedlings of great merit; the committee did not deem them worthy of the society's certificate, however, as they were lacking in several points. Jubilee is a very finely formed scarlet that drew much attention owing to its stiff stem and good keeping qualities, but the color was a trifle dull, which would kill it in the New York market, but might not affect it in some other localities.

John N. May carried off three certificates for Maud Dean, Dean Hole and Lena Saling. The Maud Dean is a finely formed, good keeping creamy white tinged with crimson in the center upon first opening, but which gradually disappears as the flower matures. Dean Hole can scarcely be told from Buttercup, it has, however, a brighter appearance. Lena Saling is a dark pink resembling very much in color and form Mrs. Elizabeth Reynolds, introduced some time ago by Dorner; its color, however, is brighter and more pleasing.

The Cottage Gardens captured two certificates, one for Meteor, which is probably the finest maroon (some would say crimson) ever shown. Its form is perfect and the coloring is grand. Storm King, which was also certificated, was in the opinion of the committee the only white entitled to the honor of a special card. This variety is certainly a grand acquisition, being almost perfect in form, very large and a good keeper, and having a very good stem.

Della Fox, shown by Meyers & Santman of Chestnut Hill, Pa., is a very fine flower, similar to Daybreak in many respects, but is darker in color and is not so apt to fade as the older sort. I believe



PARTIAL VIEW OF THE TABLE OF SEEDLINGS AT THE BOSTON EXHIBITION OF THE AMERICAN CARNATION SOCIETY.

that Della will eventually supplant Daybreak, for the same reasons that the Bridesmaid rose has supplanted the Mermet.

The Bride of Erlescourt, a new variety from Canada, was shown in fine form and drew much praise from the members. It has good form and keeping qualities, and judging from the plant shown is prolific, but as the plant had been grown in a pot its qualities in this respect could not be seen as well as if a plant had been taken from the bench. The flowers when massed did not present as pure and clean white as is now required, especially when we compare it with Storm King.

Jos. Tailby & Son showed Ellen Shaefer, a white, in form and substance too much like Lamborn. Their new yellow is the best clear yellow (for it showed no markings whatever) I have ever seen, but it is too small and when compared with some of the Buttercups on exhibition was outclassed. Bettina, a seedling of '93 by Lothrop Wight, is a very fine maroon, as was also Crimson Sport shown by J. L. Dillon; but why does he call it crimson when it is a maroon? Custom, I suppose, but a poor custom.

Sewall Fisher also had a good maroon, its only fault being a weak stem; his seedling white No. 162 and Crystal were in poor form and had no show. H. E. Chitty's Alaska and Corsair were in good form. The former is undoubtedly a fine white, but as shown was not up to size; its form and substance of petals are all that could be desired, the stem is good. Corsair is a good shape, but its color is too much on the brick color; in this respect it can not compare with Portia.

W. R. Shelmire had some of his novelties in good shape, among them being Kitty Clover and Eldorado, both yellows of good form, but hardly large enough to compete with Buttercup, but they may make up in quantity what they lack in

size; we understand they are quite prolific. Eulalia, a variegated, is a yellow ground heavily marked, and so much so that it will hardly become popular. Peachblow from the M. A. Hunt estate did not arrive until Friday p. m. This is to be regretted, as it is a beauty. Its name describes it probably better than I can, however, it is a lively rich pink different from any other variety shown, and I believe is worthy of a certificate.

The exhibits in Class A, vases of 100 each, drew out quite a competition and some grand flowers were shown and received premiums as follows: Whites, first, H. E. Chitty, Alaska; second, Wm. Nicholson, a seedling; third, Dailedouze Bros., Lizzie McGowan. Pink (light), first, Dailedouze Bros., Wm. Scott; second, Fisher & Aird, Wm. Scott; third, R. Witterstaetter, Miss Emma Wocher, new. In this class Wm. Nicholson entered Daybreak and Nicholson, and L. H. Foster Daybreak, which were fine. Pink (dark), only one entry, Dailedouze Bros. with Tidal Wave, this was well grown. Crimson, Wm. Nicholson first with Ferdinand Mangold. Scarlet, first, E. G. Hill & Co., Jubilee; second, Wm. Nicholson, Hector. Yellow, first, H. K. Southworth, Buttercup; second, R. Witterstaetter, Buttercup; third, Dailedouze Bros., Bouton d'Or. Variegated, first, H. E. Chitty, Minnie Cook; second, Dailedouze Bros., Helen Keller.

Class B, 50 blooms. Whites: First, C. W. Ward, Storm King; second, Dailedouze Bros., Lizzie McGowan; third, Fisher & Aird, seedling. Pink: First, Dailedouze Bros.; second, Fisher & Aird; third, Wm. Nicholson. Wm. Scott was the winner of all three prizes. Pink (dark): Dailedouze Bros. were the only exhibitors in this class with a fine vase of Tidal Wave. Scarlet: First, E. G. Hill & Co., Jubilee; second, Fred Dorner, seedling; third, R. Witterstaetter, The Stuart.

Crimson: First, Fred Dorner, Meteor. Yellow: First, Dailedouze Bros., Bouton d'Or; second, J. L. Dillon, Buttercup. Variegated: First, Edwin Lonsdale, Helen Keller.

Class C, 12 blooms. White: Lizzie McGowan, Dailedouze Bros.; Silver Spray, Nathan D. Pierce; Mrs. Fisher, W. B. King; Uncle John, C. W. Ward. Pink, light: Grace Wilder, Geo. Smith; Albertini, Annie Pixley and Daybreak, Dailedouze Bros.; Sweetbrier, Fisher & Aird; Nicholson, G. N. Hyer. Pink, dark: Tidal Wave and Richmond, H. Weber. Scarlet: The Stuart and any other scarlet, Dailedouze Bros.; Hector, H. Weber; E. G. Hill, M. R. Cushing. Crimson: Jacqueminot, Dailedouze Bros. Variegated: J. J. Harrison and Chester Pride, H. Weber; Helen Keller, J. N. May. Yellow: Buttercup, Edwin Lonsdale; Bouton d'Or, Dailedouze Bros.; Goldfinch, Fisher & Aird; any other yellow, J. N. May.

As far as the prizes were concerned the greatest interest of the exhibitors was centered in the *Florists' Exchange* prize offered for the vase of bloom showing the highest culture, and a prouder man you never saw than the genial Lonsdale when he was made aware that his exhibit of Helen Keller was the winner, and no wonder, for they are grand, and go to prove that this variety can be grown in great shape notwithstanding the fact that many growers have failed with it. Moral, you should have gone to the convention and found out how to grow it.

Sunshine, a new yellow, was shown in Class A. This sort while of good form and fair size is too light in color. The Buttercups shown by H. K. Southworth were pronounced as fine as ever seen; they kept remarkably well. But how does Nicholson grow Hector to such perfection. If some of the growers around New York would duplicate Nicholson's work in this particular they would reap a rich

harvest. The Bride of Erlescourt found great favor in the eyes of many. Mr. Nicholson had a seedling white that for size and form of flower was immense, but the stem was a little weak, just the same it came in second in Class A.

One of the most interesting and instructive features of the convention was the exhibit by Prof. Halsted of fungus disease to which the carnation is subject. This in connection with the lecture of the professor during the last session drew a large attendance and was listened to with marked attention. Five different cases of diseased plants were carefully mounted on cards and also on glass, the latter being shown through the microscope. This is a feature that has never been undertaken at any time or place in connection with horticultural or floricultural work, and Prof. Halsted told me that thousands used the microscope and that a large proportion of his audience asked questions relative to the objects. The exhibit was made in this way to show all interested how to determine one disease from another, and the discussion following the professor's lecture brought out points that have previously been misunderstood.

The balls of the Mass. Horticultural Society were at the disposal of the Carnation Society, and the Gardeners' and Florists' Club of Boston did all in their power to make everything pleasant for the "carnation cranks," as some call them. How well we were treated can be imagined by all who have met those hospitable, generous and wholesouled florists of Boston.

CHARLES H. ALLEN.

"A Dodge to Catch Trade."

ED. AM. FLORIST:—Your correspondent, under "Carnation notes" in the issue of February 9, has made some startling and damaging charges against certain growers of carnation cuttings, that would seem to require a reply. The particular points at issue are:

(1). "The bearing of A1 flowers seems in the minds of some to unfit the plant for propagation, in that the cuttings are weakened, etc." (2). "For any grower to state that a plant must be grown slowly or in an impoverished condition seems very strange to me." (3). "They often state that these large blooms are not good keepers."

The readers of the AMERICAN FLORIST are concerned particularly with the manner of growing and propagating carnations by those from whom they are intending to purchase stock, and it is to this class of growers to whom your correspondent above quoted leads us to refer. I have before me the price lists of twenty of the leading carnation specialists of the United States and Canada, and have carefully examined the advertisements of a great many more; and in none of them is there anything that would lead me to infer any of the statements above quoted. Certainly points 1 and 3 are not in the most remote degree referred to. Point 2 might be evolved from one or more of these lists or advertisements, where the growers state their plants "have never been forced in culture," etc., a statement of very great importance to purchasers of young stock in the face of repeated complaints against seedlings sent out during the past few years that failed almost universally, and the general verdict was "overforcing of stock."

One grower, after giving the measurements of a flower states that it was made on plants grown "without special manuring." Certainly no writer of such a statement would expect his readers to infer

that the soil producing the plant and flowers referred to was "impoverished." The custom, sometimes practiced, of *intense* feeding of the plant, whereby extra large flowers are surely produced, other conditions being right, has undoubtedly been the source of bitter disappointment to purchasers of young seedling stock. When growers for the cut flower trade have realized, as your correspondent does, the increased results from increased enrichment of the soil it will be unnecessary for a grower to state that a 3-inch flower was produced "without special manuring." I have seen growing, within a month, several lots of a seedling disseminated last year, the flowers of which as shown at the Indianapolis meeting of the A. C. S., would lead me to expect remarkable results. As I saw them grown under the same conditions as the older varieties they were almost worthless. Is there not a reason then for calling attention to the fact that plants are not "forced in culture"?

Your correspondent further states that "If these advocates of growing for cuttings only would advise resting the plants during November and December in a cold frame, and then bringing into the houses, starting the plants then into a strong growth for cuttings, we might give them some attention." Will he kindly give us a reason for such a statement? Such plants would surely require decided forcing to bring in much profit. He further calls attention to the complaint of a grower who had bought stock from "one who claims to grow and furnish cuttings only from plants grown quite cool for cuttings only." Does the purchaser claim that he never had a failure from plants bought of growers who do not make such a claim, or is there *one* extensive grower who has not found complaint of at least *one* lot of cuttings sent out, despite the utmost care to have it right?

He further states that "lots of manure, combined with judicious watering are the requisites for the production of first-class blooms, and the plant which furnishes this will give the best cuttings." This is certainly the key note of successful culture, whether for flowers or cuttings. But the latter clause is, in the opinion of the writer, misleading. Will not a plant grown under favorable conditions of soil, water, and air, and topped back before blooms appear, make as good cuttings as if the flowers were marketed? More flower shoots are sent up and more cuttings are produced on the flower stems by such treatment than where flowers are marketed, and I believe every grower is agreed that cuttings from the flower stems are the most desirable.

After the quotation referred to about resting plants during November and December your correspondent goes on to say "but as it stands to-day we can look upon their advice merely as a dodge to catch trade for their stock." The inference is evident that he believes the class of growers to whom he refers are making false claims to deceive purchasers. As one of such growers I insist upon knowing through your columns wherein any such false claims are set up? That claims are made to "catch trade" is certain; why do we advertise? To catch trade, surely. Why does he, in the very issue of February 9, advertise cuttings from "specially selected stock," and advise his readers "Do not be misled by cheap offers," if it is not to "catch trade?" He says "Poor stock is dear at any price." Does he not hope to "catch trade" by such a statement?

In conclusion I also "feel justified in mak-

ing these statements quite emphatic." I do not court a newspaper controversy, but consider I have a just cause of complaint. Unfortunately your correspondent makes it seem expedient for the writer to withhold his name, or make himself liable to a charge of an attempt to "catch trade." To avoid the cloak of writing anonymously, however, I authorize the editor to furnish his correspondent with my name.

P.

"Stimulants."

BY CHAS. H. KEITSCH.

[Abstract of a paper read before the Buffalo Florists' Club February 12.]

The essayist opened his paper by remarking that the S. A. F. was one of the most powerful stimulating agents; it not only brought the trade together, increasing their appreciation of one another, but it also elevated them in the eyes of the public. Next in importance he placed the local florists' club. What the S. A. F. does in a general way the local organization does more accurately and carries out in detail, for here it is where a suggestion often leads to discussion and discussion to action. The closer communication between members of the profession creates a better feeling and often tends to make a better man of one, who, if he was left alone, would soon become boorish and ill-natured. The local club too can in many ways often accomplish what the larger organization, owing to its size, can not very well do in bringing to public notice features that are of incalculable value to the flower grower and seller. As for instance, flower shows. As the two aforesaid factors may be said to be the strongest stimulants in an indirect way, flower shows certainly are the best direct measure for enlarging the florist's pocketbook and enabling him to spread out his glass area. Here the public comes in direct contact with the florist and his charges, and he has the best chance to set his best foot forward; if he avails himself of the opportunity and conducts the show as it should be done he can accomplish the most salient and necessary object of his profession, and that is educate the people. For only through education can that love for nature's gems be brought out and increased, and certainly the more we have of this love the better for the florist.

Next to flower shows he thought the printing press can be called a stimulant of great force, for through no other medium can the public be so well reached as through our papers and periodicals. It is not only the horticultural journals, through which florists should communicate with the public, but also through the columns of the daily press should the influence of our calling be brought to bear on the public. A well worded advertisement in a leading daily will well repay itself, and a dollar spent in this way will soon return in company with many others. But not only the advertising columns should be taken advantage of, but also every part inside a paper's border should afford room for flower lore, which we know many members of the craft can prepare in palatable style.

The essayist next turned his attention to the florist's establishment. He advised that no matter whether the florist does business in a store or at a greenhouse he should see that his place is always kept faultlessly clean, neat and tidy, and have a place for everything and everything in its place. Even a rubbish heap can be made a thing of beauty if kept in proper shape in the right locality. If help is employed let it be the best of



VASES OF 100 BLOOMS EACH AT THE BOSTON EXHIBITION OF THE AMERICAN CARNATION SOCIETY.

their kind, and insist on their wearing clothes to suit their avocations. If clerks are kept by only good men, and men only. Women have nothing to do in greenhouse walks, and less behind a flower store counter; 99 out of every 100 female flower buyers (and it is the gentle sex who are our best and most frequent customers) would rather take curt and short answers from a man behind the counter than the most pensive reply from a woman, and such who only patronize a flower store to be waited on by a woman are not worth catering to. If a woman is needed in the store put her at the books in the office, for if a woman is wanted to exercise her gentle influence over the men in the establishment the office is the proper place for her. But be sure she is good looking and bright, for it also makes it much easier for gentlemen customers to pay a bill (such as \$2 per dozen for carnations) to a pretty girl behind the window than to the most suave and courteous man behind the counter. But keep women from behind the counter, they are out of place there. Flower girls are all right at carnivals, fancy dress balls, or even to garnish up a comic opera, but I do not think a woman of fair experience gives as much satisfaction as a clerk, than a man of similar experience does. Put men behind the counters who are well posted on everything pertaining to floriculture, but be scrupulous with them. See that they are always neat and clean about their person, have agreeable ways and good manners; let them eschew tobacco and avoid going out during business hours. Of course what applies to the employes applies to the employer also, only in a larger measure.

The writer next touched upon abuses in the trade. He said that of all practices which tend to injure the trade in flowers there's none so pernicious and despicable as the one which is carried on by the man who counts on the gullibility of the public and offers all sorts of "novelties" for sale, often of the most fantastic description and name. This individual generally chooses ladies' and family magazines for his stamping ground, and to judge from the amount of advertising he does, must

do a smashing business. But contemplate the resulting disappointments; how many fair dealing and honest florists have suffered in consequence is hard to tell. It seems that the S. A. F. should take up this matter and send a nomenclature committee after this kind of florist with power to land him where all such people are safe from doing harm.

There is another class of men, who although perfectly honest in their dealings generally, and with no evident dishonest purpose, should be protested against. And that is the dry goods man, the man who sells anything and everything, as long as he can put such figures as 59, 17, 98, etc., on his wares. These men generally buy florist's stuff the best way they can, in most cases of course from unreliable houses and persons; the stuff is then put on a "bargain counter." In nearly all cases a clerk who knows little or nothing of such things is ordered to sell them, and he sells them the best way he knows. What wonder if people who buy get fooled, and in their disgust quit buying flowers altogether?

The street fakir is a near relative to the above, but with a more elastic conscience. A sharp outlook should always be kept for him, for where he is not yet domesticated he is sure to bob up sooner or later; thanks to the vigilance of some of our members of the club he has been kept off our streets so long. Another one who does more harm than good is the fellow in the trade who undersells his neighbor merely to spite him. This one is pretty hard to deal with; he eventually gets to the end of his rope, but often gets the rope tangled up into better men's legs and trips them up also. If you are going to sell below the regular market value it is no more than just and fair to give the public at least some plausible reason for so doing; the proper informing of the public about the extreme fluctuations of prices of flowers should be more generally practiced, say for instance at holiday occasions. If this was done one would hear less complaint of outrageous overcharges.

Our special spring number will be issued March 16 and will be a beauty.

Winter Flowers.

February over all the northernmost parts of our country is one of the most treacherous months of the year. The Sun God is making slow but sure progress towards us, but the forces arrayed in his path are full of frigidity, and the blizzard, fiercest in its suddenness. Far away to the south, and under glass with us, nature is making progress, the buds swell, and clothe themselves with silver fur, but only a few of the ill advised foreigners venture to show their faces outdoors. *Jasminum nudiflorum*, and further south, Chinese magnolias and wistarias are more than likely to pay the penalty for being premature. And every florist can tell tales of the watchfulness the season entails upon him. But with a heating apparatus equal to the demands upon it, the very reserve of force makes progress in growth certain, and under glass spring is already here with a host of reminders.

Bulbous plants are now well to the front, and it is certainly a fact that very much more of novelty and beauty exists in this direction. *Ixias*, *sparaxis*, *tritonias*, *iris*, *moræa*, the South American species of *sisyrinchium*, *habiana*, the common jonquils, *hippeastrums*, *urceolina*, and many others are but seldom seen, nor does the florist seem to care for the superb *ranunculus*, although the chances are even that few things would surprise his customers more than they. A bed of them prepared in a chrysanthemum house ought to be worth trying by some one. They do not seem to me desirable as pot plants, but only for those who are on the look out for a show of a startling kind. There are very few things more gorgeous, and few less commonly seen in perfection.

I have previously spoken of the desirability of some kind of a show house for the city grower whose place can be reached by the people. To keep a large house of this kind furnished is out of the question for the majority, but everyone may have a place—it only a bay-window extension, into which the choicest of his products may be drafted for inspection—and he can hardly have a more effective

advertisement, whether constant or occasional. A comparatively dry, somewhat cooler and more shady treatment than the growing houses—whether stove or greenhouse—receive, is the thing to aim at for such a house, both for the plants' preservation and the comfort of visitors. Some special feature in rare plants may nearly always be compassed by the grower, for it is within the experience of every gardener that some plant or other will do better on his place than anywhere in his locality.

In the tropical house *Alpinia allugahs*; *Bilbergias clavata*, *pyramidalis*; *Brunfelsias*, *clerodendrons*, *Justicias calytricha*, *coccinea*, *secunda*, *speciosa*, *nodosa*, and *thrysiiflora*, *Musa coccinea*, *Phrynium sanguineum*, *scutellarias*, *Smearthmannia laevigata* and *pubescens*, *strelitzias*, *strophanthus* and many others offer a range of comparative novelty, and often require but a single plant to produce it.

The greenhouse plants and forced flowers are, however, still more abundant and useful to the florist, and a most astonishing number of them are rarely if ever seen to-day. So true is this that I almost hesitate to quote the month of blooming for some of them, for I have never seen them flower in America. Perhaps you may think I haven't looked for them, but I assure you I have, in very high sounding places. I will only mention a few of the genera which ought to flower at this season of the year, and I hope some of your correspondents will be able to tell you of their species flowering better and more frequently than I. *Banksias* are scarcely ever seen. *Burchellia capensis* rarely. *Epacris maxima*, *grandiflora*, *nivalis*, *purpurascens* and varieties are if ever seen. The same may be said of *hakeas*, and *hoveas*. *Jacobinia* as a genus includes *libonias*, *sericographis*, and *cyrtanthera*, these are fairly common; so also is *lopezia*. *Mesembryanthemums* however are known in but very few species, *Ornithogalums* and *oxalis* are familiar in two or three species only. *Primula denticulata* and its allies, dainty as they are, are but little seen. And so with a large number of Australian and cape plants; they have entirely disappeared, yet no one can pretend that good plants in flower would not pay a florist better as an advertisement than either a card or a circular.

There is no good reason why there should be any limit to the hits of the swainsona kind, and I have no doubt but the next century will see a number of them.

In window and basket gardening particularly there is a vast field of research open to the florist. I remember that years ago the *chielanthes* and *nothochloena* were deemed very miffy ferns by one of the most eminent fern growers then living, the late W. H. Gower. Yet it will surely be found that with ordinary care they in some of their species are among the very best of basket plants, for they naturally stand and receive more "drying off" than most ferns, and will surely reclathe themselves when they get a soaking. Just how much you can dry them, and at what temperature is the point to ascertain.

Trenton, N. J. JAMES MACPHERSON.

Dracæna Fragrans.

Dracæna fragrans is again in flower at the Botanic Garden at Washington. There are two large specimens, one measuring 15 feet 6 inches high, the other 14 feet 6 inches, with a base circumference of

14 inches each. They are planted out in the large conservatory. One has six spikes of flowers, the other five. These old plants flower every year at this season, and are admired by hundreds of visitors. Plants three feet high in pots are also flowering. Its varieties *D. Lindenii* and *Massangæana* flower at the same time. Native of Guinea and Sierra Leone.

Experiments are being tried at the Botanic Garden with *Dracæna Knerkiana* as to how it will stand cool treatment; hitherto it has been grown as a tropical house plant, its native country being unknown. It is planted out side by side with *D. fragrans* in the Australian end of the large conservatory, and up to date it is looking remarkably well. Its true name is *D. arborea*. *Dracæna Knerkiana* of C. Koch is called *D. Aletris arborea*, by Wildenow and is the *D. arborea* of Dr. Regel in his revision of the genus *Dracæna* as published in the *Garden* for May, 1872. REYNOLDS.

Adenocalymna Comosum.

The plant of *Adenocalymna comosum* received from Kew some years ago is flowering abundantly this season at the Botanic Garden. Mr. Nicholson, in his Dictionary of Gardening, mentions three varieties, *A. longeracemosum* and *A. nitidum*, and the above named. *Comosum* flowers with us in mid-winter, but instead of being 10 feet as Mr. Nicholson says the plant is at least 50 feet long. It is a free bloomer, flowers being of a lemon yellow. It is an excellent thing when it has plenty head room and I think would prove useful to florists doing a local business who have an opportunity to plant it out. Unfortunately it will not stand shipping. It is a strong grower and has flowered profusely in mid-winter with us for a number of years. This plant gets its name from *Aden*, a gland and *calymna*, a covering; referring to the conspicuous glands on the leaves and floral coverings. It belongs to the order *Bignoniaceæ*. Flowers trumpet shaped. It requires a hot moist temperature to grow it successfully and thrives best in good loam and peat. Cuttings root freely in sand with bottom heat from wood about half ripe. REYNOLDS.

Some Vegetables Products of Bermuda.

Preceding the earliest garden crops of our Florida, Georgia and Carolina truckers, and that by a maturity of six to twelve weeks in advance of these sections, the Bermuda commerce in earliest vegetable begins, and while it lasts constitutes an important traffic with the United States, Canada, and strange as it may seem, the West Indies.

As far as shipment to our states is concerned this continues until our southern section begins to supply the later demand from northern markets. As are the advantages in earliness and higher prices of our southern products over those of the northern market gardener, so are the crops of Bermuda more profitable than the shipments from the Gulf and Atlantic States of our country. The limited area available for production in Bermuda precludes excessive supply, and it seems that the lot of planters there is not so affected by the fluctuations of markets when fed by the rather extensive truck regions of the south. Bermuda onions are well known and the Islands shipped of these in the season of 1894 a total of 177,160 boxes of one bushel each at an average net price of \$1.50 per box, or a gross sum of \$265,749. This much exceeds the average value per bushel of the

crop raised in this country, but in Bermuda it is more expensively produced, the ground being mostly hand dug instead of plowed, and the seedling onions grown in beds are transplanted instead of the expeditious method of growing directly from the seed sown by the drill, and otherwise more cheaply raised in this country. The seed used on the Islands is grown in Teneriffe and our Connecticut and California seed is of no value for their planting. The crop is planted in December, begins to ripen in latter part of March through April and May for the successive plantings, and should all be harvested by the last of May.

Next in importance of the vegetable crops is the potato, the Triumph is the variety chiefly planted, and here again the expensive process of preparation of the ground by hand digging is largely practiced. But a few places are plowed, the small areas of the fields or rather plots, making horse labor less available accounts for this. A great deal of the planting is done by using a line and *dibbling* in the eyes, and in slowness of operation is almost ludicrous when compared with our more rapid planting by horse machines, indeed by our methods ten acres of this crop could be planted while the Bermudian could hardly do his one. The planting seasons are in October for earliest and up to January for latest. The earliest plantings are marketed a few in January and February with the bulk of the crop in March and April, and is wound up in May. The crop of 1894, according to list of shipments by the Quebec S. S. Co., was 20,110 barrels, which sold at an average price of \$4.50 or a total of \$90,495. The crop was about 5,000 barrels short of the usual output, owing to drouth and blight lessening the yield much below usual seasons.

Tomatoes and beets formed items of some considerable value in the year's shipments, egg plants, lettuce and cucumbers were among the minor exports, and with expert methods of using frames and irrigation there is a profitable field for growing this latter class of crops.

The soil of Bermuda is dry, and is almost instantly drained after rains by percolation through the porous coral rock underlying the thin soil. There are no good wells, the water supply is dependent upon rainfall collected by "water catches" on the hillsides and stored in cisterns, and irrigation is an important problem, which, however can be solved and no doubt Bermuda will be heard from more extensively in this line.

Its arrow root has a world-wide reputation, though in recent years the cheaper corn starch has largely superseded this preparation, and the industry has waned. This crop grows best in the deeper red soil. Portions of the rhizomes are planted in April, the white flowers appear in pairs about September, and the crop is ready in February. The tubers are washed, scraped and ground by a grating machine and the starch cleaned by repeated washing and decantation, the moisture pressed out and the snow white cake broken up and sundried. The appliances used are of a most primitive description, homemade in the strictest sense, but the product is excellent.

Cassava (*Jauipha Manihot*) the starch of which is tapioca, is prepared by washing and baking. The cassava is grown from slips planted in January, and take nearly the whole year to produce full-sized tubers. It is a smooth shrubby plant three to four feet high, the leaves being cut nearly to the base into five or



A USEFUL BEGONIA.

seven lanceolate acute entire segments, and a plantation of this is an interesting sight.

The total estimated value of the agricultural products such as above noted, and including the liliun bulbs mentioned in an earlier article amounts to about 115,000 pounds sterling or over one half million dollars of our money. At first glance an inconsiderable sum for a country's agricultural products, but when we reflect on the limited size of Bermuda with its population of only about 15,000 people this sum divided among the planting class allows them each a "pretty penny."

BURT ENNY.

A Useful Begonia.

The handsome pan of begonia shown in the accompanying engraving was grown by Mr. Joseph Bennett of Montreal, who gives these valuable hints about its culture: "We find it one of the most profitable plants we have. In order to keep the plants dwarf I find it necessary to root them as late as possible, about June, and keep them well pinched until end of September. The pan shown is 8 inches across, 4 inches deep, and contained 4 plants. When photographed it was 18 inches high and 27 inches across, and was sold for \$4. We find pans of 6, 7 or 8 inches in diameter suit the plant better than pots; we generally put 3 plants in a pan. Single plants we grow in 4½ and 5-inch low pots, and they sell at 50 cents to \$1 each."

The pan shown is certainly wellgrown, and at the price it sold for most profitable; even at half the price it would be fully as profitable as many crops we handle, for it has occupied much valuable space only during October, November and December. I have often had occasion to refer to this plant as a valuable acquisition to our winter blooming plants, particularly at the holidays, for, treat it as you will, it is bound to be at its best at that particular time. Mr. Bennett says he got it under the name of *carnea* or *incarnaata*. In this city we call it *incarnaata*.

nata grandiflora, but of the accuracy of this name I am not certain, for a sage of Franklin, Pa., who never asserts anything unless he is positive about it, has an entirely different name for it. Whatever its name may be, it is a very valuable plant, and indispensable both as a pot plant and for cutting at Christmas time.

There is no secret in its cultivation, but a few points must be observed. A moderately enriched loam will suit it best. I say moderately rich because if too rich the plants would be too rank and too rich for use. For large sized pot plants it should be rooted as early as March; for smaller plants it will root just as readily in May, June or July without any bottom heat. It *must not* have a heavy shade at any time; to keep it healthy during the summer it must have plenty of sunlight. I have seen many a batch ruined during the summer months with a rust, very similar to what attacks verbenas and heliotrope. In November and December, when they are covering themselves with buds and flowers, a night temperature of 55° is sufficient. A high temperature will make the flowers light in shade, while a low temperature produces flowers of good substance and a bright pink color about the shade, as Mr. Bennett says, of *Edna Craig* carnation. Keep a few old plants for stock, and don't shove them under the benches where they will make a soft limp growth, but give them a good light corner of your house. WM. SCOTT.

Orchids in January.

January ushers in very many of the finest of the florist's flowers, and they need no reminder of them. There are a few orchids, which those who like them and have time to attend to them may have in flower during the time the snow flies. One of the most remarkable of these and easily grown in a warm house, is *Angraecum sesquipedale*. It grows on from March to November, but the root action is almost nothing until June or July—ceasing in October. It is queer how

much more free this species is than *A. eburneum*, seeing that both are sometimes found upon the same tree in Madagascar, but this is only one of the many queer differences existing between a hot-house climate and a natural one. *Calanthes* still continue, especially *C. Regnierii* in several varieties; it is one of the best of growers, but scarcely a florists' flower, in comparison with *Veitchii*. Several *Cypripediums* and *Cymbidium* flower during January, and it is just possible that the yellowish green flowers of *Cymbidium Lowii* might pay for producing for some kinds of work. *Dendrobiums* begin to show up in force, such as *crassinode*, *aureum*, *Ainsworthii*, *fimbriatum oculatum*, *Findlayanum*, *Leechianum*, *luteolum*, *nobile* varieties, *primulinum*, and *Wardianum*. For the best results *Wardianum* and *crassinode* should be renewed from freshly imported stock now and again, but all the rest may be maintained in a satisfactory state of vigor by dividing and increasing them at home.

Phajus grandifolium and *Wallichianum* give an account of themselves about this time. The latter is slower to increase than the common one, but every detached bulb, or even the section of a bulb, will make a new lead, especially if given a brisk bottom heat. Some florists will hardly conceive the idea of bottom heat for an orchid perhaps, but many of the terrestrial ones root much more freely if they get it.

Cattleya Trianae is in full force during January. So are several sweet smelling epidendrams. *Laelia anceps* and *Lycaste Skinnerii* give good account of themselves.

Odontoglossum Harryanum blooms very well during this month. I should not like to call it a florist's orchid however. *Oncidium flexuosum* is one of the easiest orchids to propagate, every bulb will make a lead, and the leads will soon gain strength too, of course more rapidly and strongly with two bulbs behind them than one. It throws dainty sprays of little yellow flowers three or four times a year, if you have enough stock, and attend to it. Besides these are a number of orchids such as *burlingtonias*, *odontoglossums*, *oncidiums*, *sophronites*, *aranthus*, *phalaenopsis* and so on, which flower at this season, but which for various reasons it would scarcely be well for a florist to touch very heavily.

Trenton, N. J. JAMES MACPHERSON.

Tuberose.

What time should tuberose bulbs be potted and in what kind of soil? Which is the smallest size of pot in which they can be grown? E. M. H.

Twenty years ago every florist thought it absolutely necessary to have tuberose and lots of them, not only during summer and autumn, but if possible the entire year, and if you had double primroses, a few tuberose, and some rose geranium leaves for the edge, you had all the essentials for the making of a first-class funeral emblem. This may seem to those who were entirely ignorant of the business 20 years ago an absurdity, but to those who were in the business 25 years ago it will appear as the truth. Since then what a change! The tuberose has taken a gradual but terrible fall, and instead of being an essential in our business it is easily dispensable. There has been several reasons for these sweet gems going out of fashion, all of which are well known to your readers, and chief among them was

the fad "Please don't use any tuberoses, they make me think so much of a funeral."

The bulbs are generally received by the florist in February or March. For early crop put them in flats in 3 inches of sand; a box 2 feet long by 12 inches wide will hold about 40 bulbs. In 3 or 4 weeks they will be well rooted and can then be potted into 4 inch pots, in which they are sold in May and June for mixed borders, etc., or if not sold will flower very well in these pots. If very fine spikes are wanted and the bulbs were very fine give them a shift in May into a 5-inch. For a later crop store the bulbs in a warm shed, and start in May and June, as space on the benches is not so valuable in the latter months. You can start these in 3-inch pots and shift into 4 or 5-inch when well rooted. A light loam well enriched with rotten manure is the soil they need. The last potted will flower in September and October. When the early crop is put into boxes of sand place the boxes on the pipes; they will start at once, whereas potted and stood on the benches in the ordinary way they take a long time to start.

WM. SCOTT.

Orchid Center-piece for Buffet Table.

The arrangement of orchids shown in the accompanying illustration was the work of Joseph Curran, and was used as a center-piece for a buffet table at a recent Chicago reception at which orchids formed the principal parts of the decoration. The illustration doesn't do justice to this really fine piece of work, as the figured background of a flower design makes the arrangement appear indistinct, the photograph being taken at the residence, where proper facilities for obtaining good results were lacking. The salient features of the arrangement, however, are shown fairly plain. The design is an oblong plateau about three feet long, this being mossed up to a fair height. On the top of this were arranged in a rustic fashion pieces of cork bark, over which trailed vines of *Asparagus plumosus*. The orchids, of such varieties as *Cattleya*, *Laelia*, *Oncidium*, *Dendrobium*, etc., were fastened onto the bark in a natural position by means of double pointed tacks. The base was finished with a fringe of ferns with clumps of *Cypripedium* of various sorts peeping out between the crevices of the bark. The design stood about three feet in height, and made a very striking appearance.

Floral Fashions in New York.

The custom once so much in fashion of presenting hand bouquets to ladies to carry at dancing parties is no longer observed. The discomfort attending the carrying about, through an entire evening, of an awkward arm load of heavy bouquets, as well as the excess to which the fashion was carried, furnished a very good excuse for its abandonment. Hand bouquets are quite fashionable for theatre parties, however. The form which first came into general use last season, under the name of "shower bouquet" or "English spray bunch" is the most popular and is well adapted to its purpose, as the flowers are arranged to face all to one side, and the bunch may be laid down without injury to the flowers as would be the case with a round bouquet. The form is not unlike that of the old fashioned "flat bouquet" only the bunch is considerably longer and there is no "backing," "stuffing" or "wiring," the flowers being loosely arranged with their own foliage, with studied carelessness, as though just

gathered from the garden. Around the stems a ribbon from 8 to 10 inches wide, of a color which will blend with that predominating in the flowers used, is tied in the manner known as a French bow. Ribbon is indispensable, yet too much display of it is considered vulgar, so the ends are left only moderately long and are frequently partially hidden by sprays of lilac or lily of the valley pinned on to them.

Lilacs make up beautifully in these bunches, either by themselves or in association with a few roses. White roses and lily of the valley are a favorite combination. More novel and very rich in effect are *Acacia* and *Bridesmaid* roses. *Bridesmaid*, *Meteor* or *Testout* roses are used sometimes alone. In this case it takes about three dozen roses to make the bunch properly. When used with lilac or *Acacia* one dozen roses will be sufficient. *Bridesmaid* is the most popular rose in the market for such purposes the present season.

Wages of Florists.

The editor refers to me the following question "would you please inform me as to what wages a man should receive to take charge of a small greenhouse?" The question is so entirely out of the usual order of things that I would not dare to offer an opinion were it not that I believe some good may come from a discussion of the subject. The correspondent does not say whether this is a private or commercial place and only says "a small greenhouse." That is indefinite. Objects are large or small, long or short, hot or cold, good or bad, relatively only. The man who had 10,000 feet of glass 30 years ago had a large place; to-day with the same amount he has a very small place. Before attempting to give any figures there are many things to be considered. To attempt to review these would fill a small volume, and could be made mighty interesting reading for the thinking mind. I can only mention here briefly a few of the most important conditions that would help determine a florist's wages.

The man who is merely a worker in a florist establishment and has only to obey the orders of a boss without any responsibility even were he gifted with all the skill necessary to accomplish the many operations required of him is merely a mechanic. But can you call the man a mechanic only who has charge of a number of houses, or perhaps the whole place; who has on his shoulders the responsibility of everything going right and the crops being productive and profitable? If that man is a success a very small portion of his ability is mechanical. It is nearly all mental. I have often heard it argued many years ago whether gardening was a trade or profession. I should decidedly say it is much more of a profession than a trade. A bricklayer, tailor, type setter, barber or even bookkeeper is a true mechanic. As soon as the bookkeeper is found to be able to correspond cleverly and negotiate business for his employer he is in a different sphere, and is rewarded accordingly. Our business has been much elevated in many respects during the past 20 years, and to some extent the employer has mutually benefited by it, still I hear and know of large establishments where the employee is treated more like the field hands in the days of Uncle Tom than as an intelligent workman in a refined business. A large barn or outbuilding is their sleeping place, and a horn or bell calls them at sunrise to a coarse

meal in the boss's kitchen, and so it goes on from sunrise to sunset, and then you expect to turn out bright intelligent young men who will take an interest in the business and study horticultural literature in their *leisure* hours. The very wearing apparel of the help in some of the large establishments is a disgrace to the business. But I am not drawing a picture of the average place, I trust only the poorest from the workman's point of view. Now I must come to business and answer the question. If it's a greenhouse run for profit and the best results are wanted (which they always are, regardless of pay) and the greenhouse or houses is a really small affair, then I would say \$10 per week would be the proper wages to pay. I am not asked to answer further, but trust this may give rise to a discussion, when I shall be glad of the opportunity to add a little more on the subject, and I shall be on the side of the employee, for I see him in too many places treated as a piece of cheap machinery.

WM. SCOTT.

The S. A. F. Charter.

The president has vetoed the bill to incorporate the Society of American Florists. The veto message is as follows:

No sufficient reason is apparent for incorporation of this organization under Federal laws. There is not the least difficulty in the way of the accomplishment under State laws, by the incorporators named in the bill, of every purpose which can legitimately belong to their corporate existence. The creation of such a corporation by a special act of Congress establishes a vexatious and troublesome precedent. There appears to be no limit in the bill to the value of the real and personal property which the proposed corporation may hold. If acquired by donation or bequest. The limit of \$50,000 applies only to property acquired by purchase. A conclusive objection to the bill is found in the fact that it fails to carry out the purpose and objects of those interested in its passage. The promoters of the bill are florists, who undoubtedly seek to advance floriculture. The declared object of the proposed incorporation is, however, stated in the bill to be the elevation and advancement of horticulture in all its branches, to increase and diffuse the knowledge thereof, and for kindred purposes in the interest of horticulture.

It is entirely clear that the interests of florists would be badly served by a corporation confined to the furtherance of garden culture.

The message was read in the House of Representatives, and the matter was referred to the Committee on Agriculture, of which Mr. Hatch, a friend of the bill, is chairman. There will be a meeting of the committee soon to consider the advisability of attempting to pass the bill over the president's veto.

REYNOLDS.

New York.

The cut flower trade has, if anything, improved somewhat over last week. Any change was necessarily for the better, as it could hardly be worse than it was. Lent has arrived, however, and it is not probable that there will be any permanent improvement for some time. Washington's birthday was dull as possible; New York's patriotism does not find expression in this direction. Altogether the month of February has been quite a disappointment all round and the volume of business much less than might reasonably have been expected.

The decorations at Mrs. Dinsmore's hall at Sherry's on February 25 were remarkably fine. Her own private greenhouses contributed largely to the display, as well as the establishment of Siebrecht & Wadley, who had charge of the decorations. All the rooms and halls were heavily festooned with smilax, and large numbers of palms and bay trees were grouped in the corners and recesses. A fine effect was produced by the introduction of electric light among the foliage of



ORCHID CENTER PIECE FOR BUFFET TABLE.

the trees. The mantels were handsomely massed with orchids, one being composed entirely of *Dendrobium nobile*, another of *Cœlogyne cristata*, and the other of roses and orchids in variety. The nine tables in the dining hall were decorated each with a silver bowl about 15 inches in diameter, one filled with Wm. Scott carnations, one with phalænopsis and Farleyense, one with cattleyas, one with American Beauty, etc., and around each of these large bowls were set half a dozen smaller ones in which were placed flowers of corresponding variety, which were afterwards used as corsage flowers by the ladies.

The first "At Home" of the New York Florists' Club was a pronounced success. The crowd, while not as large as had been expected, evidently came with the intention of enjoying itself to the utmost, and long before the regular program was commenced the smoke was so thick that the ventilators made but little impression on it. The musical and dramatic portion of the entertainment was under the immediate direction of Mr. John M. Turner. The special attractions were Messrs. L. Fialkowski, who could imitate any kind of a noise from that of a young parrot up to that made by a display of fireworks, T. Ballantyne, ventriloquist and dialect artist, L. Katzenstein, pianist, and Victor Kuzdo, violinist, and last but not least Mr. Turner himself with his superb banjo playing. Mr. Turner had serious difficulty in pronouncing the names of the above aggregation, but once heard they needed no further introduction, for each was a king in his own speciality. Messrs. John Young, C. B. Weathered, W. A. Manda and John Raynor handled the trays like professionals, and no one had any opportunity to complain of either hunger or thirst. Messrs. Young and

Hafner proved themselves the right committee in the right place, and those foolish members of the club who failed to attend missed the greatest opportunity of their lives to enjoy themselves.

Thorley has been making elaborate alterations in his store. He has taken out the plant window and placed therein a beautiful marble top table which is to be used to show examples of fine dinner table decorations, etc. The idea is a good one and is sure to be copied. Mr. Thorley says that a party named Delmuth who is soliciting trade in Boston claiming to have been "for the past ten years designer for Thorley" is an imposter and that he knows of no such person.

Messrs. A. & F. Rolker have taken new quarters at 106 and 108 Liberty street, corner Church, where they will continue the plant auction business formerly conducted by A. Rolker & Sons.

Seward Baker has been appointed receiver in supplementary proceedings for George A. Schnauffer, florist on King's Bridge Road, near Kirkside avenue, Fordham, on the application of John H. Luther, a creditor. Mr. Schnauffer transferred the business, which he valued at \$2,000, to his wife in December last until he could get out of his difficulties.

Boston.

While advices from other markets indicate low prices and stagnation Boston florists are busy as bees and the growers are getting top prices for their products. Roses are holding up well and bring good returns, but it is the carnation men who have especial cause to smile. To what extent the carnation exhibition last week was responsible for the prices obtained no one can say, but it helped, beyond a doubt. The very poorest white carnations have

brought \$3 per hundred, while the colored varieties have sold quickly at prices ranging from \$4 to \$6, and even \$8 has been paid for exhibition blooms. If the carnation men can guarantee such results as this wherever they go it will not be long before their conventions will be in big demand.

Quite a few of the convention visitors remained over a day after the close of the meeting, the rose men making Waban Conservatories their Mecca, and the carnation enthusiasts favoring Mr. Nicholson with a visit. A few of the stragglers were captured by a delegation of the "old reliables," and a little good-bye symposium was the result.

The next meeting of the Gardeners' and Florists' Club will be a notable one from the fact that for the first time the ladies will be invited; also from the fact that Elmira's entertaining speaker will address the club, his subject being "The Ins and Outs of the Trade." Gifted members of the local fraternity will contribute vocal and instrumental music, and it is expected that the opportunity for pleasant social intercourse as well as the other attractions will draw an audience worthy of the occasion.

The appearance of the hall at the time of the carnation exhibition was very greatly improved by a splendid group of palms contributed by Mr. N. T. Kidder, which occupied the stage, a fine collection of orchids from Mr. John L. Gardner, and an exhibit of cyclamens grown by Geo. M. Anderson, the quality of which was a revelation to the visitors. J. N. May's new rose Mrs. Pierpont Morgan and Siebrecht & Wadley's Belle Siebrecht were also on exhibition, and Wm. Nicholson contributed a row of handsome cinerarias, which were displayed on the stage in the audience hall. Three vases of *Antirrhinum majus* from Mrs. A. D. Wood were much admired, as were also the mammoth mignonette from Dailedouze Bros. and W. W. Edgar.

Buffalo.

The closing of what should have been a gay season was not marked by special features. The Shrine ball which occurred last week in the Music Hall had some elaborate palm decorations which were well taken care of by W. A. Adams. A rather unusual demand for funeral flowers has used up closely everything suitable for that purpose. Violets are getting very plentiful and probably when Lent comes will be in over supply. All other flowers in about right quantity, except smilax, which is very scarce. It usually happens so about this time, and this is worth remembering.

Glad to report that W. J. Palmer Sr. is greatly recovered, and will soon be able to cut his Meteors himself. Mr. Anderson got over his scorch so quickly that in less than a week he was doing business again at the same old stand. Joseph H. Rebstock has returned from Florida, where he says he had a fine time. We don't doubt it, for he looks as clean cut and sparkling as a young curate. He has the usual fish story, something about a red snapper he caught in Lake Worth weighing 49 pounds. He promised to show me the photograph of the fish and him. You know photographers at such places keep specimens of all sizes to suit the size of the man and his conscience.

Mr. Miller and son of Toronto passed through on their way to the Hub to attend the carnation convention. I expect to hear good accounts of Mr. Miller's

fine white carnation, which he exhibited there.

The Dutchmen have begun to arrive; the first installment made his appearance last week. He was, however, a fine specimen. Time was when these gentlemen used to call on us about the middle of May, but each year they are advancing. I suppose they are all impressed with that old homely saying that the early bird gathers the worm. It looks to be now as if the worms would be all gathered in before our own poor robins get up from the south.

W. S.

Philadelphia.

The past week has been a brisk and busy one for the florists; there have been many entertainments and social gatherings at which flowers were special features, and all good stock was sold at fair prices, in fact some days it was difficult to get enough of some kinds to fill orders. Prices however did not advance, and remain the same as last week. Brunners sold well, they were to be had in quantity. Messrs. Heacock and Ely & Co., carried the bulk of the stock. The Brunner is an expensive rose and of course some are better than others; they are classed as firsts and seconds, but separated by a very flexible line. Turning a box upside down to get at the seconds (?) makes quite a difference in price sometimes without seeming to change the quality, that is if a man is not anxious to buy.

Carnations sell well, and although quantities of fine flowers are coming the price holds up very well, the prevailing price for good stock being \$2, with a few extra bringing \$2.50 and \$3. Isaac Passmore of Oxford is sending some very fine Tidal Wave to S. S. Pennock; it would almost seem to be another variety, it is so fine. There is a tidal wave of daffodils and they are to be had for almost any reasonable figure; quantities have changed hands at \$2 per hundred. The large single variety grown by Craig and Harris bring \$6. Tulips sell for \$4 to \$5; white hyacinths are scarcer and bring \$3 and \$4. Violets are very plentiful; good ones from cold frames, a little short in stem but fine flowers, sell for 50 to 75 cents per hundred.

Mr. Eisenhart of Holmesburg has sent his stock of the California violet to Pitcher & Manda. He speaks very highly of this variety and seems very well pleased with his experience with it this winter.

The Philadelphia contingent has returned from the Carnation Society meeting in Boston, and speaks very highly of the Boston boys and their hospitality. Mr. Craig said the decorations at the banquet were most elaborate and beautiful. The exhibition of carnations was very much finer than any previous ones, and showed great progress in the cultivation of this flower. Philadelphia received three premiums, two going to Mr. Lonsdale for vases of Helen Keller and Buttercup, and Messrs. Myers & Santman a certificate of merit for Della Fox, their new pink.

The growers are busy now preparing Easter stock. Lilies are looking well, and while some disease is to be seen it does not seem as bad as in former years, or at least no worse. J. Becker of 53d and Market has a fine lot of longiflorum; his other stock also looks very well. Otazaleas he has a fine lot; he says that azaleas kept over a year hold their flowers longer than freshly imported plants when in bloom. He finds it harder to winter the Jacqueminot than most of the hybrids; it is also a difficult rose to import, as it

often arrives with the wood dried and shrivelled.

Mr. Craig has also a large stock of lilies, and they are looking well, with not very much evidence of the disease; probably 10% would cover the infected plants, and many were only slightly affected. Mr. Craig is loud in his praises of lemon oil as an insecticide; he says it has cleaned a lot of coleus that were badly infected with mealy bug without injury to the plants, and thinks it will prove invaluable to the trade.

Mr. Z. De Forest Ely has decided to discontinue the wholesale cut flower department of his business. Mr. Reed, who has managed this department so successfully, will continue the business in his own name.

Messrs. Z. De Forest Ely & Co. made an assignment on February 26. Mr. Ely states that his embarrassment is only temporary, and that he hopes to resume payments in a short time. K.

Chicago.

The first two days of Lent have already given a different aspect to the business. There is no longer a continuous rush at the wholesale dealers. Local demand is very light and the shipping trade also has slackened considerably. Speaking about the shipping demand there has never been a busier season than the closing week before Lent. It was almost impossible to fill orders complete in spite of the fact that owing to extremely fine weather the cut was constantly increasing. On the other hand in local retail circles the closing days are reported as very quiet indeed. What the market is apt to be for the coming week is hard to say.

Prices of course are easier and if the present soft weather should continue there is likely to be a drop all along the line. Violets have already suffered severely, shipments are coming in by the tens of thousands, and with a drizzling rain with which Lent was ushered in, the demand is next to nothing. There is really no standard price to quote; a few extra fine still bring \$1, but the bulk goes at 50 to 75 cents and less. First quality Beauties are still held at 40 to 50, and as there are no hybrids as yet to compete with them there is no reason to anticipate much of a change for awhile. Bridesmaid and Testout are also held stiff at 7 to 8. Brides have dropped a point, the best selected being held at 7 and fair to medium at 5 to 6.

In carnations the medium grades now go at \$1.50, but the best whites still command \$2, and fancy are firm at \$2.50 to \$3 for the choicest. Bulbous stock is much more plentiful except Romans which are still rather scarce. Valley has to be superfine to fetch 4, the largest part going at 3. Tulips are coming in fine and so are Dutch hyacinths and Von Son. Trumpet Major goes very slow. Common wood ferns are still very scarce and have advanced to 35 cents per 100. Smilax holds stiff at 20, and extra heavy 25 to 30.

St. Louis.

Trade still continues to be excellent, while stock of most kinds is increasing in abundance the demand keeps fully up with it. Shipping orders call for the most of it and promise to continue for some time to come. Violets are a little more plentiful but still short. Shipping trade in plants has opened up at last, but not in any great quantity; it is expected that it will not be up to the average for some time.

Mr. J. W. Dunford is cutting some ex-

cellent stock from his rose house, the Brides, Bridesmaids and Mermetts being of fine shape and substance. Wootton also are doing extremely well, resembling Beauties more than anything else. The stock is a little short stemmed, but the flowers can hardly be surpassed.

Wm. Trillow, late foreman for R. F. Tesson, and formerly with John Taylor of Bayside, has purchased of the Michel Plant and Bulb Co. the plant recently assumed by them at Old Orchard, which was formerly operated by Mr. Berdan, and has embarked in business for himself. He expects to grow for the wholesale market, and his many friends wish him success in his undertaking.

The bowling club has passed a rule compelling all members to pay an assessment of fifty cents for every series of 12 games rolled, whether the member participates or not.

Mr. A. Y. Ellison is in the south, covering that territory with florists' supplies in the interest of Wm. Ellison of this city.

R. F. T.

Washington.

A novel table decoration executed by Small & Sons was at a dinner given by Attorney-General Olney to the President and Cabinet and justices of the Supreme Court. The center piece was a circular plat of Farleyense. A large silver pitcher formed the center, filled with a profusion of American Beauties. Around the ferns was a fringe of mignonette and down the table a spiral figure of this fragrant flower, beginning at the center, graduating in size to the end, formed an entirely new and striking effect of decoration.

At a recent dinner given by the Secretary of the Navy to the President and Mrs. Cleveland the table decorations were also of an artistic character. This decoration consisted of three stars, the center one the largest formed of white carnations, each point tipped with a smaller star in red and white. These stars were imbedded in red carnations fringed with maidenhair and tied with red, white and blue ribbons; at each end was a corresponding design, each surrounded with tri-colored ribbons. There were four large candelabra with red tapers burning beneath scarlet shades, and at each plate was placed a red taper in a silver candlestick. As the dinner began the gas was extinguished and the tapers lighted.

REYNOLDS.

OBITUARY.

ED. AM. FLORIST: Your issue of February 16 records the death of John Peattie at Newburg, February 6.

In the passing away of Mr. Peattie the gardening world has lost a man of exceptionally fine qualities as a landscape gardener, plantsman and fruit grower. He was a native of Scotland, came to this country when quite a young man. When in the employ of Judge Kent and later when he was head gardener to the late Mr. Kelly at Ellerslie (now owned by Gov. Morton) he brought fruit growing to great perfection. He was shrewd and far seeing, intensely practical in his methods, and occupying the position he did at Ellerslie he ranked amongst the foremost gardeners of his time. To the young men who served under him, of whom I was one, he was at once a help and source of inspiration, always pleased to explain and give of his experience. It was a pleasant task to serve under him. He leaves four boys and one daughter to mourn his loss.

J. B.

E. G. HILL & CO., Richmond, Indiana,

Offer to the trade the finest stocks of Chrysanthemums, both old and new, ever presented. Our plants have never had a touch of the dread disease which has worked such havoc in many places. We send out healthy stock, propagated from outdoor grown stools which will produce just such blooms as we exhibited last autumn.

EARLY FLOWERING SORTS.—Mme. Bergmann, Yellow Queen, Mrs. E. G. Hill, and Mrs. Whildin, all at \$4.00 per 100, or 500 for \$15.00.

COMMERCIAL CUT FLOWER VARIETIES. Per 100.—Dailledouze, \$4.00; Bonnafon, \$5.00; Judge Benedict, \$4.00; C. Chalfant, \$4.00; G. W. Childs, \$5.00; Inter Ocean, \$5.00; Ivory, \$4.00; Jessica, \$3.00; L'Enfant, \$4.00; Malmaison, \$6.00; Minerva, \$5.00; Mutual Friend, \$4.00; Nivens, \$4.00; Queen, \$3.00. An immense stock of the above. Varieties like Amour, Judge Benedict, Minerva, Charlotte, etc., are suited for single stem plants. We will be glad to make selections for this purpose at very lowest living rates. Will also gladly make selections for large pot specimens.

EXHIBITION BLOOMS.—Keep abreast of the times. You need the introductions of last year if you would have the best results. We can make you a splendid selection.

CALVAT'S celebrated Novelties have won first honors at all the English shows; we can send you his set of 33 varieties for \$7.00.

THE NEW ENGLISH SORTS of last year contain varieties of exceptional merit. If you want the finest Exhibition sorts you will have to include many of these; you can tell which from the descriptions. The full set of 37 sorts for \$5.00.

AMERICAN NOVELTIES OF 1895.—We would like to select and send you the best 12 for \$3.00, to include Philadelphia, and 11 others from our own, May's, Spaulding's, P. & M.'s, Smith's, Dorner's.

GENERAL ASSORTMENT
We will send 1000 choice Chrysanthemums, our selection, for \$25.00. This would include a complete outfit of varieties, suited for all purposes.

Send for our Trade List if you have not yet received it. We have a very fine line of Novelties all the way through. The new GERANIUMS are magnificent; Mme. J. Chretien, Deuil de Miribel, and Juliet will delight you. The new English and French are fine improvements—19 varieties for \$6.00, 12 of them fine double sorts. 12 grand new Ivy Geraniums for \$3.00.

Two fine new Acalyphas. Two grand Abutilons, S. de Bonne and Fleur de Neige. An elegant line of best Cannas. The new *Dracæna Sanderiana*, *Helianthus*, *Soleil d'Or*, *Hydrangea Otaksa* *Monstrosa*.

A very fine collection of strong sturdy growing Double Petunias, large, finely fringed, at \$3.50 per 100. We have a very large stock of them.

FORCING ROSES—Carefully grown—Perle, Sunset, Bride, Cusin, La France, Meteor, Wootton, Watteville, Albany, Gontier, at from \$3.00 to \$4.00 per 100, according to variety. An immense stock of clean, healthy American Beauty, ready now, at \$6.00 per 100.

We have made our prices to suit the times. Did you get our list? If not, we will be glad to send it.

E. G. HILL & CO., Richmond, Indiana.

A New Canna! "THE PROFESSOR."

We take pleasure in offering this Canna to the Trade, and feel sure that it will please all who purchase it. It originated with me, has been tested on my grounds for the past three years, and has been very highly spoken of by all who have seen it.

The foliage is a very dark purple, nearly black, and colors up well in the full sun. The flowers are of fair size and substance, and of a deep crimson color; they are by far the best we have seen in the dark foliage section of this popular plant.

Its habit of growth is dwarf, and its average height is about 3½ to 4 feet.

We consider this Canna a valuable acquisition and hereby offer it for the first time.

Price for started plants from pots (ready after March 15, 1895), 75c. each; \$7.00 per doz.

N. B.—All orders will be filled strictly in rotation.

SEAWANHAKA GREENHOUSES,

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Mention American Florist.

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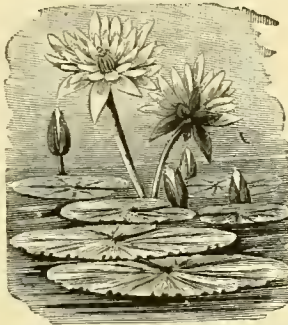
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LOW RATES SOUTH.

March 5th, April 2nd and April 30th tickets will be sold via Chicago & Eastern Illinois Railroad to various points in Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Virginia, and to points in Florida west of River Junction, at one fare for the round trip. For tickets and information apply to your nearest agent, City Ticket Office C. & E. I. R. R., 230 Clark St., Chicago, and C. W. Humphrey, Nor. Pass. Agent C. & E. I. R. R., St. Paul, Minn.



THE WATER GARDENS.

VICTORIA REGIA AND V. RANDI,
NELUMBIUM SPECIOSUM (Egyptian Lotus);

WATER LILIES,

Hardy and Tropical in all colors, day and night blooming varieties.

CATALOGUES FREE.

WM. TRICKER & CO., CLIFTON, N. J.

NEW	MIGNONETTE	NEW	MYOSOTIS	NEW
	Miss Helen M. Gould.		Star of America.	
Per Packet 50 cents.				
Complete description in our Florists Price List.				
NEW	CHAS. SCHWAKE,	404 E. 34TH STREET,		NEW
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"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots. \$8.00 per 100.

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GEO. S. CONOVER, the best EARLY BLOOMING, large yellow. Nothing like it on the market. Strong plants. \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$8.00 per 1000.

HYDRANGEAS, GENISTA CANARIENSIS and AZALEAS for Easter blooming. Prices on application.

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PALMS.

150,000 of all the leading varieties.

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50,000 of leading varieties.

Address **GEORGE WITTBOLD;**
1708 N. Halsted St., CHICAGO.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

DON'T FORGET

That we are the headquarters for Coleus, and the originators of the Golden Queen Coleus, the only all round good yellow coleus.

	Per 100	Per 1000
Golden Queen & C. Verschaffeltii, rooted cuttings.....	.75	\$ 6.00
Coleus in variety.....	.60	5.00
Geranium Mme. Sallerol.....	1.25	10.00
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Cash must accompany all orders.

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370 Van Vranken Ave., SCHENECTADY, N. Y.

NEW CHRYSANTHEMUMS.

Fewkes, Challenge, Dailledouze, Inter Ocean, Mrs. Hs. Mrs. Hill, Mrs. Lippincott, Dean, Mutual Friend, Bonnafon, Yellow Queen, Davis, Pitcher & Manda, Gray, Beau Ideal, Bramhall, and others. Sold 10 sets of 12 plants each under the head of "Specialties" and "Novelties." Older varieties "Selects of 1893," 16 plants each. Price, \$1.10 for each set plants by mail, postage paid by me. Send for catalogue.

MEREDITH B. LITTLE, GLENS FALLS, N. Y.

Rooted Cuttings.

	Per 100	Per 1000
HELIOTROPE.....	.75	\$1.00
CUPIHEA.....	.75	
COLEUS.....	.50	
VERBENAS.....	.50	
HELIOTROPE, from 2-inch pots.....	1.50	

CASH WITH ORDER.

HENRY JOHANN, COLLINSVILLE, ILL.

St. Paul.

August S. Swanson's place at Merriam Park, this city, consists of a well built range of six houses containing 12,000 to 15,000 feet of glass and stocked with a general line of florists' plants. His store in the Endicott Arcade is one of the neatest and most attractive in the city while his trade is one of the best. Mrs. Swanson attends to the store while he personally looks after the greenhouses and to floral decorations, in which line he is one of the neatest and most artistic parties in the city.

FELIX.

THE AMERICAN FLORIST (\$1.00) and Gardening (\$2.00) together to one address for one year for \$2.50. Send orders to American Florist Co.

DO YOU WANT a list of the leading park superintendents of America? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—By a first-class florist of all branches, 16 years' experience, single; good reference. K. care American Florist.

SITUATION WANTED—By young man, 22, in flower S or seed store; good worker, 5 years' experience retail florist. R. UMFRID, 137 N. 4th St., Philadelphia, Pa.

SITUATION WANTED—By first-class gardener in S private place; married; no children; wife would accept place in family. Address H. R., 6314 Langley Ave., Chicago.

SITUATION WANTED—By a young, married man S. Dane, as head gardener in private place, park or cemetery; 9 years' experience; good recommendation. H. MILLER, 278 W. Ohio St., Chicago.

SITUATION WANTED—As foreman by first-class S rose and carnation grower, 17 years' experience, 5 years in present place; age 35, married. W. H., 31 Washington St., West Pittston, Pa.

SITUATION WANTED—By a practical gardener and florist, 20 years' experience in all branches; strictly temperate married man; private place preferred; best of references. GARDENER, Batchelder Bros., 71 Lake Ave., Cleveland, Ohio.

SITUATION WANTED—By a practical florist, married, German, middle aged; experienced propagator and grower of roses, carnations, palms and general stock; best of references. GUSTAV FREYTAG, 316 Cambridge Ave., Toledo, O.

SITUATION WANTED—In private place, assistant of general man in commercial; not afraid of work; married; no children; honest, reliable, 11 years' experience; permanent place wanted; English; good reference. GARDENER, box 178, Kenosha, Wis.

SITUATION WANTED—By a first-class all round florist who is expert at rose growing, and could act as bookkeeper if necessary; can furnish good references, and would prefer the western or southern states. ARTHUR H. BOOL, 1 East State St., Itasca, N. Y.

SITUATION WANTED—As foreman in large commercial place to take full charge; 19 years' experience in growing roses, carnations, violets, chrysanthemums and the forcing of all kinds of bulbs and plants. Has been foreman the last 8 years; best of references; German; 33 years old, married. CHAS. JOHNSON, 40 Forest St., Jersey City, N. J.

SITUATION WANTED—By April 1st, by an energetic first-class nurseryman (32 years of age, unmarried), as general foreman of a large ornamental nursery. Possessing, as I do, over 16 years of practical experience with some of the leading firms of Germany, France, Holland and the United States, I have acquired thorough familiarity in all details of the nursery business. An expert in propagation, grafting by several improved methods, and the cultivation of the higher class of nursery stock and all novelties, accomplished by a system producing large quantities in the shortest time possible. Address PROPAGATOR, care American Florist.

WANTED—A quick, reliable young man for the mail plant business in the west. R. R., care American Florist.

WANTED—Immediately, good rose grower; single man preferred; state references and wages. Apply C. S. FOOYE, Downer's Grove, Ill.

WANTED—Partner with \$500 in florist business in a good town in Kansas. Address J. W., care Vaughan's Seed Store, Chicago.

WANTED—Vegetable plant grower; state experience; must give good reference; write quick. Box 783, Columbus, Ohio (care of Livingston's Sons).

WANTED—Young florist with commercial experience, one who is not afraid of work; must speak English; state wages and references. G. M., care American Florist.

WANTED—A good assistant; must be well up in general greenhouse work; single German preferred; references; state wages expected. Address J. A. BISSINGER, Lansing, Mich.

WANTED—A good man acquainted with all branches of the business; single; must be good propagator and handy with telephone. References. CENTRAL FLORAL CO., Grand Rapids, Mich.

WANTED—A first class truck gardener on shares; will furnish everything but board and labor, and divide equally; within one mile of city of Paducah, 25-300 inhabitants; references furnished and required. Address immediately DR. W. H. SANDERS, Paducah, Ky.

WANTED—In commercial place, young man; must be experienced general plantsman, and good on designs and other floral work; also young man to take charge of lawns on private places; must be competent to do planting of beds and change grade of lawns; only honest, sober and good workers wanted who are willing and try to hold permanent place and work for fair wages. Address with references and address of former employers ASSISTANCE, care Welch Bros., 2 Beacon St., Boston, Mass.

WANTED—By a thorough, practical man, a position as headgardener on a gentleman's place, or manager of a large commercial plant. The party understands the growing of all plants for market or private use. Roses, violets, carnations and musus a specialty. Aged 40 years, married, two children grown, English; 18 years in present position; reason for leaving, death of employer. First-class references from England and this country. Open for engagement March 1st. Those not requiring the services of a first-class man need not apply. Address A. B., No. 5 Livery St., Waterbury, Conn.

FOR SALE, RENT OR SHARES—Greenhouse and celery garden, no competition; bargain. W. J. OLDS, Union City, Pa.

FOR RENT—A fine stand of steam heated greenhouses with an acre or more of land for a term of years. Apply to J. H. ALLEN, N. 59th St., Station X, Chicago.

FOR SALE OR RENT—In center of the city, 8.0 feet of glass with store, and first-class stock; cause, sickness. Address JOHN SCHNEIDER, 321½ Walnut St., Kansas City, Mo.

FOR SALE—Two-story house with store and greenhouse at rear, 70 feet long by 2; wide, 426 61st St. good location; also store on Wentworth Ave., doing good business, with a reasonable rent. Address or inquire 627 Wentworth Ave., Englewood, Chicago.

FOR SALE CHEAP—On account of ill health I must sell my place, containing 1 acre land worth \$800; nice 7-room house times; new, cost \$800; 1 greenhouse 11x15 stocked with bedding and house plants; about 40 hotbed sash; small barn, good horse, 2 wagons, florists' top wagon almost new, and all other tools; nice fruit on place. Will sell the whole for \$1,000; situated in Jefferson county seat of Ashland Co., Ohio. For further information address H. J. LEVENHAGEN, Jefferson, Ohio.

FOR SALE CHEAP—I will sell my Maple Heights and Marlon Greenhouses (or plant), consisting of 25,000 square feet of glass; heated with steam and natural gas, stocked with the leading varieties of roses, carnations, geraniums, palms, siliac, etc., etc., with four acres of ground, under cultivation; a cottage on the place and about forty fruit trees of the standard varieties of cherries, pears, plums, etc.; we are on three railroads with a direct line to the best flower markets in the west; only one competitor and a town of 20,000 inhabitants. Ill health the cause of wanting to sell. A great bargain to the right one. Address W. A. B., care American Florist, 322 W. 11th St., Marion, Ind.

FOR SALE OR LEASE. Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCORN, Dubuque, Ia.

FOR SALE ON LONG ISLAND.

Eight greenhouses, 16x100 feet each, well stocked with plants and cut flowers. Shed, 25x128; fine large dwelling house, modern improvements, with land to suit, all frontage, all in best condition and running order. Within 3 miles, 12 minutes, of 31st street, N. Y. market; adjoining trolley and steam R. R. No finer situation for convenience and business anywhere. A rare opportunity. Answer W. A. B., care American Florist.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots and 266 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 100 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESSEL, Belmont and Western Aves., Chicago.

Do YOU WANT Mr. Scott's seasonable hints for the year in book form, so that you can refer readily to his suggestions for any week in the year? You will find them in this form in our trade directory and reference book for 1894. Price \$2.00.

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CHOICE FLOWER SEEDS FOR FLORISTS Our Specialty.

Fresh seed just arrived. New crop Sweet Peas just received.

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HERRMANN'S SEED STORE,
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Mention American Florist.



FROM JAPAN.—Bulbs, Seeds, Trees, Palms, Etc.

FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.

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Orders booked up to Dec. 1 for Cypas Revoluta Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,
(Established 1878.) SAN FRANCISCO, CAL.
Oldest and most reliable import house.



Gardiner's Celebrated English Mushroom Spawn.

Fresh and Reliable.

\$7 per 100 lbs.

Special price on larger quantities.

John Gardiner & Co., Philadelphia, Pa.

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Market Gardeners and Truckers to be had for the asking. Write now for it.

Address JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., Philadelphia, Pa.



Kills Mildew and Fungus Growth. What does? GRAPE DUST. Sold by Seedsmen.

EXTRA CHOICE FLOWER SEEDS.

List free on application. FRED. ROEMER, SEED GROWER, QUEDLINBURG, GERMANY.

Well Rooted Runners MARIE LOUISE VIOLETS. Now Ready, \$6.00 per thousand. CASH WITH ORDER. GEO. N. SAYLES, 40 Bradley St., Watertown, N. Y.

Send for Price List.

CONSIGNMENTS SOLICITED.



ELLIS & POLLWORTH,

W. H. ELLIS
C. C. POLLWORTH

Cut Flowers.

IF YOU WANT SUPERIOR STOCK. WELL PACKED. DELIVERED ON TIME.

Send us your Orders.

ELLIS & POLLWORTH,

386 Broadway, MILWAUKEE, WIS.

Box 75.
Phone 1273.



New Catalogue (No. 4) containing over 1,000 Ornamental Cuts for Florist's use, such as envelopes, letter heads, bill-heads, cards, advers., floral designs, etc., at from 30c. and upwards. Price of Catalogue 25 cts. (deducted from \$1 order).

A. BLANC,
Engraver for Florists,
PHILADELPHIA, PA.

FOR SALE.

PINK AND WHITE ERICAS (Scotch Heather), in bloom now, fine plants.

\$1.00 each; \$10.00 per dozen.

Also 600 for Easter. Also all kinds of Easter plants in prime condition.

ANTON SCHULTHEIS,
P. O. box 78, COLLEGE POINT, L. I., N. Y.

Double Petunias.

10 VARIETIES DREER'S STRAIN.

Fine plants from 2 1/4-inch pots, \$4 00 per 100. No order for less than 50 desired. Cash with order.

MARKEY BROS., Fort Wayne, Ind.

Tuberous Begonias



(Griffin's Strain)
Medal awarded World's Fair. Finest strain in the World.
SEED, choicest single & double 50c & \$1 each trade pkt.
BULBS, single varieties, from \$4 00 per 100.
double " 10.00 per 100.
Special prices on large quantities. Send for Descriptive illustrated Catalogue.

OASIS NURSERY CO., Westbury Station, L. I., N. Y.

We Pay the Express.

PANSIES AND VERBENAS.

BUGNOT'S—superb blotched..... 60c. per 100.
CASSIER'S—superb plant..... \$4.50 per 100.
ODIER'S—superb plant..... \$4.50 per 100.
TRIMARDEAU—superb plant..... \$20.00 per 5000
GOLDEN BRONZE—superb plant..... .80
MAMMOTH VERBENAS in best colors, 70c. per 100; \$5.50 per 1000.

S. WHITTON & SONS, Wholesale Florists,
9-11 Roberts St., UTICA, N. Y.

Rooted Cuttings.

PREPAID. Per 100

CARNATIONS—Helen Keller, fine \$4.00
VERBENAS—Light colors mixed60
MUMS—Queen, V. Morel, Fifer etc. 1.00
CUPHEA—(Cigar and Basket Plants)80
LETTUCE PLANTS—3 best forcing
sorts.50

R. A. McPHERON, Litchfield, Ill.

PANSIES.

25,000 plants in cold frames, of my XXX strain, \$4.50 per 1000. Cash with order.

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CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established

Lil. Auratum, Spec. Rubrum and Album, Etc.
Iris Kämpferi, in 100 choice varieties.
Japanese Maples, in best varieties.
Camellias, Pæonies, Tree Ferns, Raphis, Etc.
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

F. Gonzalez & Co.,

303 to 312 Wayne St., SAN FRANCISCO, CAL.
Mention American Florist.

NOW is the time VERBENA SEEDS to plant

The progressive kind will meet your needs, And make a grand sensation; 'Tis the kind that spans the silver half And makes progressive Florists laugh, And saves them much vexation.

New crop now ready. None but the best XXX seed offered. Will produce some grand novelties. We've had florets 1 1/4 inches across. First Premium at Mt. Holly Fair this year. 1/4 oz. 60c; 1/2 oz. \$1; trial pkt. 10c.

Hand hybridized Double Petunias, Dreer's; none better. 500 seeds 60c; 1000 seeds \$1.00.

Single fringed, Dreer's and California Giant blended, saved from the most magnificent showy varieties in cultivation. 500 seeds 30c; 1000 seeds 50c.

Dwarf French Gold striped Marigold, makes nice pot plants for spring sales. Trade pkt. 25c.

Dwarf Marguerite Carnation, all saved from fine double flowers. Trade pkt. 25c. Lots of other good things. Novelty price list, free to all. Cash with order please. Address

J. C. GIBSON, WOODBURY, N. J.

Seeds, Bulbs, Supplies,

at Wholesale only. Send for trade lists, mailed free on application with business card.

Address **August Rölker & Sons,**
136 & 138 W. 24th Street, NEW YORK.

Michel Plant and Bulb Co.,
WHOLESALE FLORISTS.

ST. LOUIS, MO.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF
FLORISTS'

Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

500 CANNAS.

50 named kinds, 10 of each, \$15.00; but three lots left. Speak quick if wanted.

T. H. SPAULDING, Orange, N. J.

ROSE CUTTINGS.

Well Rooted of Per 10 0
METEOR, 2 and 3 eyes, at..... \$18 00
Mermets, Brides, Perles, etc., at..... 15 00
2 1/4-inch Teas, at..... 25 00
Bridesmaids, at..... 30 00

We are specialists for Violet blooms, cuttings and clumps—Marie Louise and Lady Campbell.

ANCHORAGE ROSE CO.,
ANCHORAGE, KY.

DAHLIAS.

W. W. WILMORE, Dahlia Specialist.

Bulbs, \$7.00 to \$10.00 per 100.

Descriptive Catalogue.

Box 382, DENVER, COLO.

ORCHIDS
and OTHER CHOICE FLOWERS

constantly on hand.

WISCONSIN FLOWER EXCHANGE,

Box 87. MILWAUKEE, WIS.

PLANTS, CARNATIONS, ROSES,
CHRYSANTHEMUMS,
CANNAS, VIOLETS.

The New Dwarf Dahlia, New Geraniums, &c.

We can supply all your wants, and take almost anything in payment. Write us.

WISCONSIN FLOWER EXCHANGE,

Box 87. MILWAUKEE, WIS.

CATALOGUE PRINTING.
ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.

HARRISBURG, PA

VERBENAS

Transplanted Cuttings \$8 per 1000; \$1 per 100. Rooted, \$6 per 1000. Plants, \$2 per 100. All clean and true to color. Satisfaction guaranteed, and safe arrival.

W. B. WOODRUFF, Florist, Westfield, N. J.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Catalogues Received.

Nathan Smith & Sons, Adrian, Mich., new chrysanthemums, carnations and roses; P. Vos & Co., Sassenheim, Holland, bulbs; C. Petrick, Ghent, Belgium, palms, orchids and stove plants; W. W. Barnard & Co., Chicago, garden, field and flower seeds; J. C. Teas & Son, Carthage, Mo., trees, vines and nursery stock; The Goulds Mfg. Co., Seneca Falls, N. Y., spray pumps and appliances; W. A. Manda, South Orange, N. J., trade list seeds and plants; Seele, Briggs, Marcon Seed Co., Toronto, Canada, seeds, bulbs and plants; J. J. H. Gregory & Son, Marblehead, Mass., seeds, plants, bulbs, small fruit; C. Eisele, Philadelphia, Pa., trade list new carnations, chrysanthemums, clematis, etc.; E. Nagel & Co., Minneapolis, Minn., flower seeds and plants at retail; Sirocco Co., Unionville, Ohio, dust spreader; H. W. Turner, Sharon, Pa., new chrysanthemums; Lewis Roesch, Fredonia, N. Y., fruits and nursery stock; J. J. Bell, Binghamton, N. Y., seeds and bulbs; M. H. Wetherbee, Charles City, Iowa, plants, seeds and bulbs at retail; V. Lemoine et fils, Nancy, France, new plants; J. Palmer Gordon, Ashland, Va., plants; Phoenix Nursery Co., Bloomington, Ill., fruit and ornamental trees, shrubs and vines; same, plants and bulbs; Grallert & Co., Colma Station, Calif., carnations, chrysanthemums, pelargoniums, etc.; W. Atlee Burpee, Philadelphia, A year's work at Fordhook Farm; Cadwell & Jones, Hartford, Conn., seeds and implements; Webster Bros., Hamilton, Canada, wholesale list florists' stock; same, retail list of plants and seeds; W. Pfitzer, Stuttgart, Germany, seeds and plants; B. M. Watson, Plymouth, Mass., wholesale list trees, shrubs and nursery stock; I. N. Kramer & Son, Cedar Rapids, Iowa, seeds and plants.

A HANDSOME colored lithograph showing six bunches of sweet peas, five new varieties and a mixed bunch, is received from W. Atlee Burpee & Co. It makes a very showy picture, the colors in the varieties Firefly, Blushing Beauty and Countess of Radnor being specially attractive.

BRILLIANT GREEN AND BRONZE

GALAX LEAVES

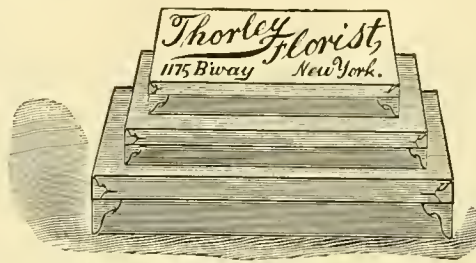
LARGE AND SMALL SIZES.

FOR DECORATING AND FLORISTS' USE.

Insist on having Ricksecker's (finest grown) and, if your jobber don't handle them, write for price and sample now. Don't wait until too late to get them for your Easter trade.

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,NEW YORK SALESROOM:
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

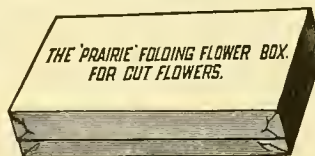
**Hardy Cut Ferns,**

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON

FOLDING
PAPER
BOXES
for CUT
Flowers.Made from Water-proofed, Double Manilla lined,
Strawboard. Shipped flat, packed 100 in a crate.

CHICAGO FOLDING BOX CO.,

Jackson & Clinton Sts., CHICAGO.
TELEPHONE MAIN 4718.**SAMUEL S. PENNOCK,**
Wholesale FloristREAR OF 42 S. 16th STREET,
Philadelphia, Pa.PALMS CHRYSANTHEMUMS
CARNATIONS ORCHIDS & ROSES

Prices on application.

EDWIN LONSDALE,
WYNDMOOR, near Chestnut Hill, PHILA., PA.**Jno. F. Croom & Bro.,**
WHOLESALE

Tuberose & Caladium Growers

MAGNOLIA, N. C.

Jobbers only please correspond with us in regard
to contracts. Prices right.**TRY DREER'S**

GARDEN SEEDS,

Plants, Bulbs & Requisites.
They are the best at the
lowest prices. Trade List issued
quarterly, mailed free to
the trade only.HENRY A. DREER,
Philadelphia, Pa.**Cycas Leaves. FRESH CUT**
each 75c.VAUGHAN'S SEED STORE, P. O. Box
688, Chicago.

SEND FOR A COPY

— OF OUR —

TRADE DIRECTORY

AMERICAN FLORIST CO., CHICAGO

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

H. L. SUNDERBRUCH,
Wholesale Florist4TH AND WALNUT STREETS,
Cincinnati, O.**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS.

495 Washington St., BUFFALO, N. Y.

SHIPPING ORDERS CAREFULLY ATTENDED TO.
OTHER SPECIALTIES:
Florists' Supplies, Wire Designs, Bulbs
Long's Florists Photographs.
Catalogues, Lists, Terms, etc., on application.**W. ELLISON,**
WHOLESALE
Cut Flowers and Florists' Supplies

WIRE DESIGNS.

1402 PINE STREET,

St. Louis, Mo.

C. A. KUEHN,

(Successor to ELLISON & KUEHN.)

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

The Boston Flower Market

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of Sale. TERMS STRICTLY CASH.

Address JOHN WALSH, MANAGER,
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."

JULIUS LANG,
(Formerly with THEO. ROEHR.)
Commission Dealer in Cut Flowers,

WHOLESALE,

53 West 30th St., NEW YORK CITY.

E. H. HUNT,
WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS.
 SEEDS, BULBS AND ALL
 FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and FLORISTS' SUPPLIES.
 34 & 36 RANDOLPH STREET,
 CHICAGO.

T. J. CORBREY,
 Wholesale Commission Florist,
 64 & 66 Wabash Ave., CHICAGO.

If you want First-Class Finwers, properly packed and delivered on time, send me your orders and you will get what you want.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
 34 & 36 Randolph Street,
 PHONE MAIN 223, CHICAGO.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. CHICAGO.
 Our Roses best them all, in quality.
 Headquarters for fine American Beauties,

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL Co.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
 Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
 CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

WELCH BROS.,
 Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

Michael A. Hart,
 Wholesale Commission Florist.
 ALL STOCK IN FINEST GRADES.
 113 W. 30th St., NEW YORK.
 Telephone Call 1307 38th St.

Always mention the American Florist when writing to advertisers.

Wholesale Market.

Cut Flowers.

	NEW YORK, Feb. 26.
Roses, Niphetos.....	1.00@2.10
" Perle, Hoste.....	1.00@2.00
" Mermet, Cusin, Watteville.....	2.00@4.10
" Bride, Bridesmaid.....	3.00@8.00
" La France.....	4.00@8.00
" Testout.....	4.00@8.00
" Meteor.....	4.00@8.00
" Beauty.....	20.00@50.00
" " seconds.....	5.00@15.00
" Hybrids.....	10.00@25.00
" Jacqs.....	2.00@8.00
Carnations.....	75@1.00
" fancy.....	1.50@2.50
" Tulps.....	50@.60
Valley.....	1.50@2.50
Narcissus.....	1.00@2.00
Daffodils.....	1.00@2.50
Freesia.....	1.00@2.00
Tulps.....	7.00@2.00
Harrisll Hiles.....	6.00@8.00
Mignonette.....	4.00@15.00
Cattleyas.....	25.00@35.00
Smilax.....	15.00@35.00
Adiantums.....	1.00@.50
	BOSTON, Feb. 26.
Roses, extra selected.....	10.00@15.00
" Mermets, Brides.....	4.00@8.00
" Niphetos, Perle.....	4.00@6.00
" Bon Silene, Gontier.....	2.00@3.00
" Bridesmaid, Testout.....	4.00@10.00
" Meteor.....	4.00@10.00
" Beauty.....	25.00@50.00
" Hybrids.....	15.00@30.00
Carnations.....	1.00@2.50
" fancy.....	2.00@4.00
Valley.....	2.00@4.00
Hyacinths, freesia.....	1.00@2.00
Narcissus, single.....	2.00@3.00
" double.....	3.00@4.00
Tulps.....	2.00@4.00
Harrisll callas.....	10.00@12.00
Violets.....	50@.75
Smilax.....	15.00@21.00
	PHILADELPHIA, Feb. 26.
Roses, small.....	4.00@5.00
" large teas.....	6.00@8.00
" extra select.....	10.00@15.00
" Beauties.....	35.00@50.00
" Brunners.....	50.00
Laing.....	25.00
Carnations.....	1.50@2.00
" extra.....	2.50@3.00
Asparagus.....	85.00@50.00
Violets, double.....	.50@1.25
" single, per 100 bunches.....	\$2.50@4
Valley.....	4.00
Cattleyas.....	40.00@50.00
Cypridiums.....	15.00@21.00
Smilax.....	15.00@18.00
Tulps.....	8.00@5.00
	CHICAGO, Feb. 28.
Roses, Beauty, selected.....	40.00@50.00
" Testout, Bridesmaid, Meteor.....	7.00@8.00
" La France, Bride, Albany.....	5.00@6.00
" Mermets, Wootton.....	6.00@8.00
" Perle, Niphetos, Gontier.....	6.00@8.00
" Jacqs.....	15.00@18.00
Carnations, long common.....	1.50@2.00
" fancy.....	2.50@3.00
" short.....	1.00
Valley.....	3.00@4.00
Paper White, Romans, Freesia.....	3.00@4.00
Tulps.....	3.00@5.00
Daffodils.....	4.00@5.00
Dutch hyacinths.....	6.00@8.00
Harrisll.....	8.00@10.00
Violets.....	50@1.00
Smilax.....	20.00@30.00
	BUFFALO, Feb. 27.
Roses, Brunners.....	15.00@20.00
" Beauties.....	15.00@25.00
" Mermet, Bride, Bridesmaid.....	6.00@8.00
" Meteor.....	6.00@8.00
" Perle, Hoste, Cusin.....	5.00@6.00
Callas, Harrisll.....	10.00@12.00
Carnations, long.....	1.50@2.00
" short.....	1.00
" Daybreak.....	2.00@2.50

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND.
 Successors to WM. J. STEWART.
Cut Flowers AND Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS
 JOBBERS IN
 FLORISTS' SUPPLIES,
 FLORISTS' VASES.
 METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND.
 1 Music Hall Place,
 BOSTON, MASS.
 HORTICULTURAL AUCTIONEERS.

THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
Meteor,
Testout,
 And all other desirable roses, grown especially for first-class trade.
BURNS & RAYNOR,
 Wholesale Florists,
 49 West 28th St., NEW YORK.

THOS. YOUNG, Jr.,
Cut Flowers,
WHOLESALE,
 43 W. 28th St., NEW YORK.

WALTER F. SHERIDAN,
 WHOLESALE FLORIST.
 32 West 30th Street, NEW YORK.
 Roses Shipped to all points. Price list on application.

Edward C. Horan,
 34 W. 29th Street, NEW YORK.
WHOLESALE • FLORIST.
 Careful Shipping to all parts of the country.
 Price list on application.

JAMES PURDY,
 WHOLESALE DEALER IN
CUT • FLOWERS,
 57 W. 30th St., NEW YORK.

JOHN YOUNG,
FINE ROSES
 WHOLESALE,
 51 West 28th St., NEW YORK.

THEO. ROEHR'S,
 WHOLESALE
FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

FRANK MILLANG,
WHOLESALE FLORIST
 408 East 34th Street,
 Cut Flower Exchange, NEW YORK,
 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

Half-tone Engravings.

AM. FLORIST:—Have just read your article referring to half-tone photo-engravings contained in your issue of February 9. I am very glad to see that you consider the subject worthy of special mention and that you so freely give honor where honor is due. I not only fully concur with you in all that you have published regarding the matter but will say further that in my humble opinion the time will soon arrive in the history of the seed trade when sensational and ridiculous over-drawn electrotypes and wood

years been one of the leading men in the seed trade.

At the first general gathering of American seedsmen held in New York City, June 12, 1883, some thirty-five leading firms being represented, Deacon Robbins was chosen as the first president of the American Seed Trade Association. He has since that time always been a leading spirit in the association, and his influence in the councils of that body at their annual conventions has ever been in the line of wise and safe counsel and had much to do with shaping the policy of the organization.

A friend in the trade who has known him for over twenty years says, he was most upright and honorable in every way. I never knew the Deacon to make a misstatement, his opinion on values and market conditions was generally based on intelligent shrewdness and the experience of many years and seldom wrong.

perous days, and for the last two years with W. Atlee Burpee & Co., has opened an office in the Betz Building, Philadelphia, as an agency for advertising and printing.

Some firms report the worst February in 15 years.

That cheap sacaline seed seems to have run out.

Italian onion seed is not quite as plentiful and good prices are spoken of.

We miss the full page ads. in the *Ladies' Home Journal* and other magazines. The days of two full pages in the *Century* with two square inches of adv. matter are gone. Strict economy seems to be the rule.

Mr. Charles Henderson passed through Philadelphia while on his way to New York from Florida.

Mr. Alfred Henderson is staying in Philadelphia under a celebrated doctor's care.



PUMPKINS GROWN AS A SEED CROP IN NEBRASKA.

cuts will become a feature of the forgotten past and half-tone engravings from *nature only* will be utilized in the constructions of our seed catalogues of the future.

Any school boy can throw adjectives together proclaiming every known and unknown possible and impossible meritorious quality in connection with vegetables, fruits, etc., to be imagined by the most fertile brain; but it must remain for the art of the half-tone engraving process to substantiate before the eyes of the seed buyer, at least in part, some of the strong claims contained in the seed catalogues of to-day, and which we have no reason to believe will be at all restricted in the catalogues of the years to come; in proof of which I herewith submit a photo of a field of King of the Mammoth pumpkins grown especially as a seed crop by the Western Seed and Irrigation Co., Waterloo, Neb., this past season of 1894.

FRANK T. EMERSON.

Obituary.

MR. R. A. ROBBINS, of the well known seed house of Johnson, Robbins & Co., Wethersfield, Conn., died at his home in that place on Tuesday, February 26, of pneumonia after an illness of only three days. Deacon Robbins, as he was familiarly known, has for more than thirty

The Deacon has for years made personally one or more annual trips through the country, this he did even the present season, coming as far west as Chicago in December last. He was a genial companion, one who made close confidential friends and who never violated such confidences. His death leaves a gap in the ranks of the old line wheel horses which cannot be filled.

Philadelphia Notes.

Z. De Forest Ely, trading as Z. De Forest Ely & Co., made an assignment for the benefit of creditors February 27 to Chas. W. Sparhawk. The immediate cause of the assignment is said to be the impossibility of making collections from southern customers with whom Mr. Ely dealt almost exclusively. Mr. Ely was greatly esteemed by the trade; his gentlemanly manners made him many friends who greatly sympathize with him in his troubles, which it is hoped are only temporary. Some claim that close sales, keen competition and excessively high store rent are responsible for the failure. The starting of a cut flower business was also considered an unwise move for the firm's location. The heaviest losers will be Dutch bulb growers.

Giles Leahy, who was with the Dingee & Conard Co. during their most pros-

perous days, and for the last two years with W. Atlee Burpee & Co., has opened an office in the Betz Building, Philadelphia, as an agency for advertising and printing.

REPORTS FROM France indicate that owing to the severe weather French bulb prices will be higher. An advance of 15 to 20 per cent. over 1893 and 1894 prices is intimated.

GEORGE TABER, of Cooper, Taber & Co., died recently aged 76 years. He was well known to many in the American seed trade. As the firm is a joint stock company it will in no way be affected by Mr. Taber's death.

REPORT from Erfurt, Germany, February 11, says, for eight days the thermometer registered as low as 22 to 25 degrees (centigrade), the hardest winter they have had there for many years. There is, however, a great deal of snow on the ground and that may save the pansies and other stock planted last fall.

THE MAIL TRADE is still unsatisfactory and is generally reported east and west as behind 1894 though most firms are still hopeful that with the coming of brighter spring weather business will come strong yet; the evident scarcity of money as indicated by the small early orders is however a factor not to be overlooked.



THE ONLY EXCLUSIVE
Wholesale Garden Seed Establishment
 in the WEST.

Our annual price list is now ready. Please write us for a copy. **It will save you money.**

We handle nothing but the

Choicest Stocks.

NORTHRUP, BRASLAN, GOODWIN CO.,

55, 57 & 59 North Jefferson Street,

Mention American Florist.

CHICAGO.

**WE SELL
 BULBS**

TULIPS, all leading market sorts at from 20 to 40 per cent. lower again.

HYACINTHS, all the best varieties for forcing. Small, pure white and other colors to succeed the Romans.

DOUBLE YELLOW DAFFODILS (Van Sion) in any quantity.

NARCISSUS, Horsfieldii, Sir Watkin, Trumpet major, Albus plenus odoratus, and other sorts.

SPIRAEA compacta grandiflora, and Spiraea astilboides.

GLADIOLUS The Bride, for forcing, in any quantity, at a fair price.

White Spanish Iris, like orchids.

Lilies and other bulbs and bulbous roots for forcing and cut flowers.

Send list of what you need before ordering elsewhere.

SEGERS & CO.,
 BULB GROWERS,

LISSE, near Haarlem, Holland, Europe.

Registered cable address SEGERSCO, Lisse, Holland.

ESTABLISHED, 1874.

WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

WEBER & DON,
 Seed Merchants and Growers.

114 Chambers Street, NEW YORK.

M. KEPPLER,

Dealer in J. M. THORBURN & CO.'S

HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty.

25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.

METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

BURPEE'S SEEDS ARE THE BEST
 For Florists and Market Gardeners.
WARRANTED;—"Few Equal—None Better."

Special Wholesale Price List mailed Free on application, together with "A BRIGHT BOOK ABOUT SEEDS," novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

THE BROWN BAG-FILLING MACHINE CO.,

MANUFACTURERS OF

AUTOMATIC MACHINES FOR PUTTING UP SEEDS,
 FITCHBURG, MASS.

Special Growing of **FRENCH BULBS**

ROMAN HYACINTHS—White, Rose, Blue.
NARCISSUS—Von Sion, early; Paper White; Grandiflora totus albus.
LILIAM CANDIDUM.

FRESIA REFRACTA.
ALLIUM NEAPOLITANUM.
TRUMPET MAJOR, real.

IMMORTELLES, in all colors.

And many others good for forcing. Send for catalogue.

CABLE ADDRESS:
 ROCHE, OLLIOULES.

A. ROCHE, Ollioules, var, France.

P. VOS & CO., Sassenheim, Holland,

GROWERS OF

Hyacinths, Tulips, Crocuses, Narcissus, etc.

WE ARE ABLE TO QUOTE THE LOWEST PRICES FOR WHOLESALE DEALERS.

BULBS.

Hulsebosch Bros.

ENGLEWOOD, N. J.

SELL ALL KINDS CHEAP.

Mention American Florist

SEEDS

Of all kinds, true to name and fresh.

Jos. F. Dickmann,

1110 N. Third St., and Gravois and Oregon Ave.,
 Send for my New Catalogue, FREE. St. Louis, Mo.

You Can Get
 Ferry's Seeds at your dealers as fresh and fertile as though you got them direct from Ferry's Seed Farms.

FERRY'S SEEDS
 are known and planted everywhere, and are always the best. Ferry's Seed Annual for 1895 tells all about them, — Free.
D. M. Ferry & Co.
 Detroit, Mich.

Mention American Florist.

Cincinnati.

Trade this week has been fairly active. Although it may not be quite up to former years, still there is a more cheerful view taken by most of the dealers. Commission men report an increased shipping demand. Orders of this kind were usually heavy, and greatly helped to clear up the stock.

Roses in most all classes are plentiful and of improved quality; there is no apparent glut of any variety. In large roses there is still a decided shortage. Beauties are scarce, with brisk demand, and very few long stemmed flowers are seen. Good long stemmed stock sells readily at \$3 to \$4 a dozen, but the great bulk is short stuff, selling at from 50 cents to \$1. Hybrids are still scarce. A few good Brunners are seen, but are mostly shipped in from outside points. The flowers are not up to the standard in size, but are of good form and color, and with fine long stems. They bring from \$3 to \$4 a dozen for the best. Jacques are improving. Most of the flowers shipped in now are from plants grown in solid beds, and are much firmer and of better quality than those noted before. These bring \$1.50. Bridesmaid and Bride find a ready market at \$7 to \$8. Mermets are coming in very fine and of uniformly good color. La France is hardly up to the standard, though here and there a good lot may be seen; \$4 is the ruling price for good stock. Woottons, Perles, Gontiers and Niphetos go at \$3 to \$4. Meteor is of much better color, but rather small; good stock finds a ready sale at from \$5 to \$6.

Carnations are plenty and of fairly good quality. Very few of the common sorts go over \$1.50. In fancy Daybreak sells at \$2; a few extra good bring \$2.50, Scott about the same. Bulb stuff of almost every variety is very slow. Daffodils are a perfect drug on the market and can be hardly given away. In Dutch hyacinths only the light lavender shades are in fair demand. Valley can be bought of very good quality at \$1.50 to \$2. Romans are about the same. Tulips are very slow. Pink grown La Reine and Kaiser Kroon are the only two varieties called for. The former brings \$5, and the latter \$4. Most of the other sorts go at \$3 and less. Violets still hold their own, although the stock that is offered at present is not of very good color. The supply is about equal to the demand. Quotation on extra choice (very scarce) is \$1.50. The bulk of the stock is selling at \$1 to \$1.25. Harrisii are not quite as plentiful. Some extra good bring \$12, though most of the stock is disposed of at from \$6 to \$8. Callas are plenty and in fair demand. There is some very fine mignonette sent in now, mostly of giant varieties and Machet. Good spikes of these find ready sale at \$2.50. Smilax is extremely scarce and sells at \$15. Asparagus plumosus is in good demand. Adiantum is in fair demand at \$1.25 to \$1.50.

Mr. W. Murphy of Delhi lost one house and a lot of fine plants by fire this week. Mr. W. Weiland of Avondale also had a similar unfortunate experience. No insurance at either place.

Corbett & Wilson are bringing in some fine cyclamens in 6 inch pots with 30 to 40 blossoms on a plant. P.

Cheek.

Client—"That little house you sent me to see yesterday is in a scandalous condition. It is so damp that moss positively grows on the walls!"
Agent—"Well, isn't moss good enough for you? What do you expect at the rent—orchids?"

Lika Joko.

ROSES. ROSES.

In all the best standard varieties, suitable for forcing and bedding out, at prices to suit the times.

JOHN N. MAY, Summit, New Jersey.

The Wonderful **NEW ROSE—GRIMSON RAMBLER**
The most remarkable ROSE introduced in many years. "300 blooms on one shoot."
"The gem among the novelties."—LONDON (Eng.) TIMES.
Circular giving full description and price, with handsome colored plate free.
ELLWANGER & BARRY, (1840—Mount Hope Nurseries—1895), Rochester, N. Y.

New Chrysanthemum, PHILADELPHIA.

The great prize winner. Orders booked now for delivery March 15th.

50 cents each; \$6.00 per dozen; \$35.00 per 100.
NEW CARNATIONS UNCLE JOHN, white; THE STUART, scarlet SWEETBRIER, pink; SAMBO, crimson; \$1.00 per dozen; \$5.00 per 100, EDNA CRAIG, W.M. SCOTT, 40c. per dozen; \$3.00 per 100.
NEW YELLOW DAISY (Folle d'Or), plants from 3-inch pots, \$1.00 per dozen; \$8.00 per 100.
Wholesale Price List of new and rare plants sent on application.
SWAINSONA GALEGIFOLIA ALBA, from 2 1/2-in. pots, 75c. per doz., \$3.00 per 100.
C. EISELE, 11th and Jefferson Streets, Philadelphia, Pa.

PLANTS.

Our selection, all good, well grown, named varieties. 10 at 100 rate. Per 100
Begonias, 20 varieties..... \$4.00 & \$6.00
" Rex, good assortment..... 6.00 & 8.00
" Maculata aurea..... 10.00
Fuchsias, best varieties..... 3.00 & 4.00
Heliotropes, 10 kinds..... 3.00 & 4.00
Croton Maculatum, strong plants..... 8.00
Crotona, assorted, strong plants..... 8.00
Plumbagoes, Lady Lapent's, Capensis and Capensis alba..... 4.00
Hibiscus, double and single..... 4.00
Geraniums, double and single, bronze and silver..... 3.00 & 4.00
Abutilons, assorted..... 4.00

Rooted Cuttings.

Heliotrope, best new and old..... 1.00
Coleus, mixed, 50c; fine named..... 1.00
Fuchsias..... 1.00
Alternantheras, 4 kinds..... .50
Begonias..... 1.50
Geraniums, bronze and silver..... 1.50
Ageratum, Brighton Beauty..... 1.00
Ageratum, White Cap and Cope's Pet..... .75
Cash with order. If to be sent by mail, add for postage 10c. per 100 for Alternantheras; 20c. per 100 for Coleus, Heliotropes, Fuchsias and Ageratums; 30c. per 100 for Begonias and Geraniums.

ROBT. S. BROWN & SONS,

Box 99. KANSAS CITY, MO.

Pansy Plants.

EXTRA FINE STRAIN.

75 cents per hundred; \$5.00 per thousand.

ESSEX HEIGHTS FLORAL CO.,

..... BELLEVILLE, N. J.

SPECIALTIES

ALL IN THE BEST VARIETIES.

ROSES, CARNATIONS, CHRYSANTHEMUMS, VERBENAS.

Rooted Cuttings and Plants. Send for price list.
WOOD BROTHERS, FISHKILL, N. Y.

ROSES, GERANIUMS, BEGONIAS, MUMS, CARNATIONS, and

A complete general line of stock.

THE NATIONAL PLANT CO., Dayton, Ohio.

CLEMATIS.—Large flowering 2 years. In variety \$3.00 per dozen; \$22.50 per 100, home grown Imported, 3 and 4 years..... \$1.00 per dozen
DOUBLE DAISIES.—Snowdrift, 50c. per dozen. Longfellow and Snowflake, in bloom, \$2.00 per 100.
F. A. BALLER, Bloomington, Ill



HIGH GRADE Mixed and Seedling GLADIOLI

WORLD'S FAIR MEDAL

And Society of

AMERICAN FLORISTS'

CERTIFICATE OF MERIT.

Tell us what you want and we will give you prices.

GUSHMAN GLADIOLUS CO., EUCLID, OHIO.

PANSIES.

The Jennings Strain of Large Flowering and Fancy Pansies, field-grown, nice stocky little plants—cold frame size.

THE FINEST STRAIN is what every florist wants. I think you will find mine as good as the best. Stock carried in cold frames, and orders filled any time. 100 by mail 60 cts; 1000 by express \$3.00; 5000 \$20.00. Finest mixed seed of above Pansies, pkt., 2500 seeds, \$1; per oz. \$6. Yellow same price. Cash with order.

E. B. JENNINGS, Wholesale Pansy Grower, Lock Box 254. SOUTHPORT, CONN

Hybrid Perpetual Roses,

Worked low on the Manetti Stock offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER, JAMAICA PLAIN, (Boston), MASS.

Rooted Cuttings of CARNATIONS, CHRYSANTHEMUMS, VERBENAS, COLEUS.

Our new Catalogue of rooted cuttings, Cannas, Geraniums, Roses, etc., now ready, and will be mailed on application.

EVENDEN BROS., Williamsport, Pa.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

The Rose for the Million!!

BELLE SIEBRECHT.

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

MORE TESTIMONIALS FROM PROMINENT ROSE GROWERS:

DEAR SIR:—The new Rose, "Belle Siebrecht," is a very valuable rose for winter forcing. The form is exquisite, the foliage handsome, the color charming, rich, bright, and of an entirely distinct new shade; it is also very healthy in growth and a constant and very free bloomer. Please book my order for 1,000.

Yours truly,
ROBERT CRAIG, West Philadelphia, Pa.

It affords me much pleasure to express to you my thanks for the bunch of Belle Siebrecht roses you had the kindness to send to me. After having graced the tables of the N. Y. Florist Club annual dinner two days ago I find it to be a remarkable good keeper, having kept it for three days longer without its losing any of its brilliant color, and it appears as fresh now, after be-

ing out five days, as if just out. As seen growing at your place I shall pronounce it after a careful examination a remarkable free bloomer, healthy grower, and one that is not easily attacked by mildew, and a welcome addition to our list of forcing roses.

ERNST ASMUS, West Hoboken, N. J.

WASHINGTON, Dec. 5th, 1894.

MESSRS. SIEBRECHT & WADLEY, New Rochelle, N. Y.:
GENTLEMEN:—We have received your circular letter together with price list of your new Rose, Belle Siebrecht, which we inspected in your houses some time ago. Please book our order for 2,000 plants, to be delivered April 15th next.

Yours very truly,

STRAUSS & CO.

This rose is the result of years of patient work by one of the best rosarians in the world. It is not sent out to be "tried." We have subjected it to the most severe tests, and are now fully satisfied that it is the best florists' rose in existence. It is not a mere sport, but is of a distinctly new strain, the result of a cross between La France and Lady Mary Fitzwilliam. Its pedigree is all right. Orders booked now and will be filled in strict rotation. Strong plants ready for delivery April 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

New York Office, 409 FIFTH AVE.

NEW ROCHELLE, N. Y., U. S. A.

NEW JAPANESE ROSE

"Turner's Crimson Rambler."

CHARLES TURNER,

who introduced this extraordinary Rose, is prepared to ship to the United States, very fine plants, 10 to 12 ft long, at

\$9 per doz; or \$72 per 100.

Cash with order. Packing free.

THE ROYAL NURSERIES,
SLOUGH, ENGLAND.

FOSTITE, A PERFECT
REMEDY to

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out.

Fostite, 25 lbs \$2.00. Bellows \$3.50. Cash with order.
Sold by all dealers and by

C. H. JOOSTEN, 3 Coenties Slip, New York.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

Marie Louise Violets.

ROOTED RUNNERS.

Healthy, strong plants. **BETTER** can not be had anywhere.

ANDREW WASHBURN & SON,
BLOOMINGTON, ILL.

ROSES.

ROSES.

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

CATALOGUES AND
PRICE LIST FREE.

PAINESVILLE, Lake Co., OHIO

BEAUTIES, MERMETS, CUSINS,
PERLES, BRIDESMAIDS, BRIDES,
WOOTTON, WATTEVILLES AND
Rooted Cuttings. Cash with

ROSES

BELLES, TESTOUTS, NIPHETOS,
METEOR, HOSTE, LA FRANCE,
AUGUSTA VICTORIA,
order. Address for quotations.

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

Mention the American Florist when
writing to advertisers on this page.

ALWAYS mention the AMERICAN FLO
RIST when writing to advertisers.

Worcester, Mass.

One of the prettiest decorations of the season was arranged in Colonial Hall by Lange last week. Pink azaleas and white lilac were used extensively in the reception room, the dancing hall was decorated with asparagus and Trumpet major and the dining room decoration of Daybreak and Scott carnations was especially effective.

Nothing of unusual importance has occurred to change the direction of the trade winds, and they still continue to blow our way with a refreshing briskness that is very invigorating. We are having a good proportion of bright days that are opening good flowers in liberal quantities and of course this all helps to keep the balance on the right side of the ledger.

At the weekly meeting of the Horticultural Society, a very interesting paper on the wild flowers of Worcester county was read by Joseph H. Jackson, one of the best botanists in this vicinity.

The fruit growers of this state will hold a two days convention in this city March 20 and 21 for the consideration of the important questions of this industry, and also to consider the feasibility of forming a state fruit growers association.

A. H. L.

Our Annual Spring Number.

Our annual special spring number will be issued March 16. We have some splendid special features in preparation for this number and it will be a decided advance, both in value of matter and beauty of illustrations, on any of our previous special numbers. What more can be said?

RALEIGH, N. C.—We have had the coldest weather North Carolina has seen for many years. Temperature below zero and plenty of snow. On February 14 one of the greenhouses of Mr. H. Steinmetz was destroyed by fire. Loss about \$600, partly covered by insurance. The weather is now much warmer and as soon as frost gets out of the ground we shall be ready for out-door work.

WHENEVER you want anything pertaining to the trade, and do not find it offered in our advertising columns, write to us and we will take pleasure in assisting you to find what you want.

CARNATIONS

READY NOW.

Rooted Cuttings.—20,000 Daybreak; 50,000 more March 1st. Other varieties in proportion—McGowan, Mrs. Fisher, Helen Keller, Sweetbrier, Stuart, Buttercup, Iago, Scott, Albertini, Cartledge, Aurora, Portia, Dorner and others.

Write for prices, stating how many you will want of each variety. The price will be reasonable and the stock warranted well rooted and healthy, with the privilege of not accepting it if found otherwise.

A few Lancaster Beauty Verbena ready at \$2.00 per 100. This is a real good thing and a money maker.

ALBERT M. HERR, L. B. 496, LANCASTER, PA.

Carnations & Violets.

Well rooted Cuttings, and perfectly healthy. Per 100 Per 1000 LIZZIE MCGOWAN.....\$1.25 \$10.00 PORTIA.....1.25 10.00 LADY CAMPBELL VIOLETS, well-rooted runners.....1.25 10.00 Cash with order.

PETER BROWN, FLORIST, LANCASTER, PA.

TWO POINTS

FOR CARNATION BUYERS.

GET THE BEST.

—Here is a quartette of them: Wm. Scott, finest pink of solid color; ALBERTINI, peerless, in all qualities; DAY-BREAK, unrivalled in its delicate flesh tones; McGOWAN, the white of whites.

GET THEM GOOD.

—We grow them cool, root them cool, and take our cuttings from blooming stems only, carefully selected, carefully rooted, and carefully packed for shipment. Our stock is in fine health and vigor.

Our prices are \$3.00 per 100 for Scott and Albertini; \$2.50 for Daybreak, and \$2.00 for McGowan. For quantities above 500, write us. Terms cash.

ALEX. McBRIDE,

ALPLAUS, N. Y.

Carnations
Edward Wayne
Kennett Squ.

NEW.

OPHELIA.—A fine large flower a little darker than Scott. Took Craig clip for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$9.00 per 1000.

ELDORADO.—(Shelbire). Introducer's description and stock. A yellow of free blooming habit and the other necessary qualities of a good carnation has long been a desideratum. In Eldorado we have a strong vigorous plant, healthy foliage and finely formed flowers. The cuttings are easy to root and the plant is very prolific both blooms and cuttings. Light yellow, or, perhaps, nearer a buff, and free from all white markings. Petals edged with a narrow band of light pink, being almost a piece in marking. The flowers look yellow by artificial light and not white, as many yellows do. \$2 per dozen; \$12 per 100; \$100 per 1000.

KOHINOOR.—(mountain of light) (Pennock). Introducer's description and stock. The choice of over 400 varieties after 3 years' trial. It is the best white I have ever grown. Plants robust, stems long, stiff and erect. Flowers full, deeply fringed, occasionally touched with pink bluish, and extremely attractive, meaninging 2 1/2 to 3 inches across without any forcing or disbudding. Comes quickly with bloom and continues prolific throughout the season.

STANDARD.

Table with 3 columns: Name, 100, 1000. Includes Sweetbrier, Helen Keller, Uncle John, Stuart, Buttercup, Scott, Daybreak, Cartledge, Portia, McGowan, Fisher (from soil for Summer).

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

Walter R. Cliffe, of Germantown, Pa., has been the first in this locality to appreciate the virtues of Swainsona Gallegifolia, Alba. He has an entire house of it, and the beautiful pea like blossoms backed by its feathery pinnate foliage, have, he claims, paid him better than anything else he has grown this Winter. We are enabled to offer his stock at \$4.00 per 100; \$35.00 per 1000 for rooted cuttings; \$6.00 per 100 2 1/2 pets. Ready Feb. 15th.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and exclusively for cuttings and plants.

Inspection and correspondence solicited.

Descriptive price list on application.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

When writing to any of the advertisers on this page please mention the American Florist.

PRICE LIST ROOTED CUTTINGS CARNATIONS, ETC.

Table with 3 columns: Name, Doz., 100, 1000. Includes NEW SEEDLINGS 1895, Eldorado, Kitty Clover, Eulalie, Princess Bonlie, Dr. Warder, Daisy Bell, Lawrence Thompson, Ophelia.

GENERAL COLLECTION.

Table with 3 columns: Name, 75, 100, 150. Includes Sweetbrier, Helen Keller, Purple Gem, Wm. Scott, Mme. Diaz Albertini, Buttercup, Stanley, Daybreak, Tbos. Cartledge, Brutus, Caesar, Chester Pride, J. R. Freeman, Puritan, Tidal Wave, L. L. Lamborn, E. G. Hill, Wm. F. Dreer, Nellie Bly, Grace Wilder, Lizzie McGowan, Portia, Mrs. Fisher, Anole, Lola Haettel, Hawa, Angelia.

Table with 3 columns: Name, 20, 100, 800. Includes Marie Louise Violets, Swanley, Lady Campbell, Giant Double Alyssum, Coleus, General list Coleus, Red and yellow Verschaffelt, Stock plants general list.

W. R. SHELMIER, Avondale, Pa.

Millbrook Lea GREENHOUSES,

West Whiteland P. O.

Chester County, Pa.

SPRING TRADE 1895 PRICE LIST.

CARNATIONS, SWEET ALYSSUM, VIOLETS, FUCHSIAS, PETUNIAS, COLEUS, SWAINSONA.

J. L. MAULL, Proprietor. RICHARD JONES, Manager.

Whitford Station, P. R. R.

Send for Circular and price list.

THE NEW WHITE CARNATION

MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

Table with 3 columns: Name, Per 100, Per 1000. Includes We offer them, Lizzie McGowan, ROSES, Brides.

OTTO MAILANDER, Niles Center, Ill.

CARNATIONS.

Healthy, well-rooted Cuttings now ready.

Table with 3 columns: Name, Per 100, Per 1000. Includes Drybreak, Wm. Scott, McGowan, Helen Keller.

A. T. JACKSON, Station X, Bowmanville, Ill.

Mention American Florist.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

NEW CARNATIONS.

BRIDESMAID, bright clear pink.	per 100	per 1000
METEOR, deep brilliant crim. scarlet	10.00	75.00
STORM KING, show white	10.00	75.00
Ready April 1st, 1895.		

UNCLE JOHN, pure white	5.00	40.00
THE STUART, scarlet	5.00	40.00
E. A. WOOD, variegated	5.00	40.00
GOLDFINCH, yellow-edged pink	5.00	40.00
WM. SCOTT, pink	3.00	25.00
DAZ ALBERTINI, pink	3.00	25.00
DAYBREAK, pink	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100. Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON,
La Fayette, Ind.
Mention American Florist.

THE COTTAGE GARDENS, Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

CARNATIONS—ROOTED CUTTINGS \$9.00 to \$25.00 per 1000.

COLEUS—Rooted Cuttings, 75 varieties, my selections, in 40 or 50 varieties, \$4.50 per 1000 by express; 70c. per 100 by mail.
GIANT DOUBLE ALYSSUM, 70c. per 100; \$6.00 per 1000.
LADY CAMPBELL VIOLET, \$1.25 per 100; \$10.00 per 1000.
NO RUST. NO FUNGUS. NO MEALY BUG.
WM. H. SEARCH, Avondale, Chester Co., PA.

Carnation Mrs. Fisher IMPROVED.

Strong Rooted Cuttings, free from disease, \$2.00 per 100; \$15.00 per 1000.

CHARLES EVERDING, Branford, Conn.

Carnations. NOW READY.

WM. SCOTT, from sand.....\$3 per 100; \$25 per 1000
LIZZIE MCGOWAN, from sand..... 2.50 " 20 "

The above varieties are from "specially selected stock." Do not be misled by cheap offers. Poor stock is dear at any price. Plants from soil will be ready February 15th.

CHARLES H. ALLEN,
FLORAL PARK, N. Y.

PLEASE SEND CASH WITH ORDER.

"THE CARNATIONS."

WM. SCOTT, Rooted Cuttings.....	Per 100	Per 1000	DAYBREAK, Rooted Cuttings.....	Per 100	Per 1000
LIZZIE MCGOWAN, Rooted Cuttings.....	2.50	20.00	ALBERTINI, Rooted Cuttings.....	3.00	25.00
TIDAL WAVE, Rooted Cuttings.....	2.50	20.00	BOUTON D'OR, Rooted Cuttings.....	3.00	25.00

Wm. Scott and Lizzie McGowan now ready, in any quantity, from "choicest stock."

Cash with all orders.

DAILLEDOUZE BROS., FLATBUSH, BROOKLYN, N. Y.

THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free	\$12.00	\$100.00
ROSE QUEEN—New, fine commercial pink	12.00	100.00
CORSAIR—The scarlet McGowan	10.00	75.00
ALASKA—New, white, large, productive	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet	10.00	80.00
WM. SCOTT—Clear pink, very free	3.00	25.00
GOLDFINCH—The best yellow	5.00	40.00
DAYBREAK—Light pink, fine	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATIONS

Healthy well rooted cuttings now ready.

Wm. Scott and Mme Diaz Albertini	Per 100	Per 1000
Daybreak and Tidal Wave	2.00	15.00
Lizzie McGowan, Wilder and Portia	1.50	10.00
Kuttercup	3.50	30.00

Cash with order. 10c. per 100 extra when shipped by mail.

PERNS—Choice varieties, from 2-in. pots \$3.00 per 100
PETUNIAS—Double Fringed, choice varieties, from 2½-inch pots..... 3.00 per 100
GERANIUMS—Fine Double and Single varieties, from 2½ inch pots..... 3.50 per 100

Cash with order. Price list on application.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.

Good, healthy stock, well rooted, ready by January 1st, 1895.

Rooted Cuttings GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC. Write for price list.

E. J. CLOUD, Avondale, Chester Co., Pa.

CARNATIONS

HELEN KELLER, rooted cuttings	Per 100	Per 1000
Out of 2½-inch pots	\$4.00	\$35.00
Rooted cuttings of the following varieties	2.50	20.00
Daybreak, Silver Spray, Edna Craig, Lizzie McGowan, Tidal Wave and Portia.		

Also a full line of Florists Seed, all imported, at low prices. Terms Cash with order.

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Garnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. Its size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

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ALL THE NEW AND TESTED CARNATIONS

OUR SPECIALTY.

Send for price list and estimates on large quantities.

Large stock of WM. SCOTT.

FISHER & AIRD,
ELLIS, NORFOLK CO., MASS.

I DON'T THINK.

On this subject, it requires only an ordinary ganglion to disclose the fact that CARNATIONS make stronger, healthier stock when grown cool—on ground beds—and in a new house.

RUST has never visited us (barring Mr. David Rust of the "Exchange"), and clean, vigorous stock of the following list will be at your disposal on and after Feb. 1st, 1895.

Ophelia, new, large, medium pink	\$10.00	\$80.00
Sweetbrier, pink	5.00	45.00
Wm. Scott, pink	3.00	25.00
Daybreak, pink	2.50	20.00
Thos. Cartledge, carnine, scarlet at night	2.00	15.00
Puritan, white	2.00	15.00
Lamborn, white	2.00	15.00
McGowan, white	1.50	12.50
Mrs. Fisher, white	1.50	12.50
Portia, scarlet	1.50	12.50

Other standard varieties if desired.

Excellent stock of Lady Campbell Violets now ready.

"THE SLOPE," C. S. SWAYNE,
KENNETT SQUARE, Chester Co., PA.

CARNATIONS.

NOW READY.

Helen Keller, Ada Byron	Per 100	Per 1000
Adelaide Kresken, Jacqueminot	4.50	60.00
Buttercup, Daybreak	2.00	4.00
McGowan, Portia, Wilder	1.50	2.50

ROSES. READY FEB. 15.

Bride, Meteor	3.00
Bridesmaid, Perle	3.00

Healthy stock. Special 1000 rates.
Ferns on application—flats, 2-inch pots, etc.
GENISTAS, 2-inch pots.....\$6.00 per 100
LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES,
GLENDSIDE, PENNA.

50,000 Carnations.

ROOTED CUTTINGS.
Ready now. Positively no Rust. Also rooted Mums, Lady Campbell Violets.

Send for Price List.
Wm. Swayne,
P. O. Box 226. KENNETT SQUARE, PA.

NEW CARNATION.

PEACHBLOW.

Dark blush pink. Rooted Cuttings, \$8.00 per 100; \$65.00 per 1000. Good stock. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now:	per 100	per 1000
5,000 BUTTERCUP	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN	1.50	12.50
10,000 TIDAL WAVE	1.50	12.00
15.00 DAYBREAK	2.00	15.00
15.00 PORTIA, 15,000 SILVER SPRAY	1.25	10.00
15,000 AURORA	1.50	12.00
50,000 well rooted runners of LADY CAMPBELL Violets	1.25	10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

Carnation Cuttings

EDNA CRAIG	Per 100	Per 1000
DAYBREAK, TIDAL WAVE	\$3.00	\$25.00
GRACE WILDER, SILVER SPRAY	1.50	12.50
MCGOWAN, HECTOR	2.00	15.00
SWEETBRIER	5.00	40.00

Grown cool, and only healthy, selected stock taken.

BELL MILLER, Springfield, Ill.

Toronto.

Enquiry amongst a few of the florists reveals the fact that trade has been pretty good this last week; one gentleman told me that he had really been very busy. A large quantity of bulbous stuff is coming in now, the price of which not being high it goes off quickly.

At the regular meeting of the Gardeners' and Florists' Association last Tuesday a good deal of business was done. The executive committee was instructed to go ahead with a chrysanthemum show prize list; three new members were elected and four proposed; an oyster supper was decided on at the Liederkranz Club rooms, the date to be fixed for the day when the delegates from the various cities and towns come to Toronto to interview the Provincial Government concerning the formation of horticultural societies; motions and amendments came thick and fast on other matters of minor importance, and though there was danger of the chairman's gavel getting red hot sometimes the chairman himself (Mr. W. Muston) kept a cool head and acquitted himself to the entire satisfaction of all present.

Mr. J. H. Dunlap brought down some fine specimens of various kinds of carnations, some of his own seedlings and some of the later introductions of other growers. The Stuart was in remarkably fine form. E.

Baltimore.

Trade seems picking up daily. No doubt Lent will make a difference as it usually does, but it can not make matters much worse than they have been up to the last week or two. The demand for carnations seems insatiable, all that come being snapped up at fair prices. Our neighboring village, Washington, has the advantage of us in this flower as a recent walk through C. Strauss & Co.'s hundred thousand Scotts and Fishers demonstrated, but we will get there yet, as far as producing is concerned. A notable thing in Washington is the way E. Pierson seemed to thrive, and the huge blooms it produced. There was an unnamed seedling there too that was while first class in every other respect in color the exact counterpart of the velvety richness of a Camille de Rohan rose.

Mrs. Davis, 801 Madison avenue, has quit and shut up her store.

Smilax seems rather scarce. Violets plentiful. Roses in fair supply. MACK.

Rooted Cuttings.

VERBENAS, finest bright colors, mammoth, vigorous, strong, \$6.00 per 1000.
 GERANIUMS, special best double and single; all labelled, \$12.00 per 1000.
 COLEUS, 24 distinct finest, plenty red and yellow, \$8.00 per 1000.
 SEEDLING VERBENAS, my own select mammoth, transplanted, \$5.00 per 1000.
 PLANTS, Heliotropes and Scarlet Sage new compact, \$1.75 per 100.
 CANNA Mme. Crozy, 75c. per dozen.
 My stock can be sent with any from A. M. Herr, DANIEL K. HERR, Ryder Ave., Lancaster, Pa. Mention American Florist.

10,000 Berberis Thunbergii, 1 1/2 to 2 ft.
 20,000 " " red berried, 2 to 3 1/2 ft.
 15,000 " " purple leaved, 2 to 3 1/2 ft.
 20,000 Buckthorn, 2 to 4 ft.
 50,000 Calliornis Privet, 2 to 3 ft.
 10,000 Common Privet, 3 to 6 ft.
 5,000 strong Multiflora and Sweet Briar roses.
 Also Althea, Snowberry, Spiraea, Viburnum, Cornus, White Lilac 3-thorned anemone, and all Evergreen Hedge plants. Priced catalogue with any address.

B. N. WATSON,

Old Colony Nurseries, PLYMOUTH, MASS.

Hamilton Sash Lifters

are the most Economical in the World. Many thousands in use. Send for price and reference. HAMILTON, No. 5 Sydney St., Dorchester, Mass.

GANNAS.—VAUGHAN'S—GANNAS.

DO YOU OBSERVE

They still have 'a yellow canna better than Florence Vaughan'? Where did they come out last year on that claim? Did they make that statement purposely to deceive the public jury or not? We hope not. But to-day the question is, where will they come out this year on the same claim. Write for our Book for Florists, now ready, and we think you will find a list of cannas that did what we claimed for them **last year**, and a list of

NEW CANNAS which will do all we claim for them **this year.**

NEW YORK: 26 Barclay Street. **VAUGHAN'S SEED STORE,** **CHICAGO:** 146-148 W. Washington St.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000. **NO RUST OR MILDEW.** **PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.** We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

ASK FOR IT

If it does not reach you in a day or two.

WHAT?

OUR CATALOGUE OF

N Chrysanthemums, E Carnations W and Roses,

TO ALL APPLICANTS

.... FREE.

NATHAN SMITH & SON,

167 W. Maumee St., **ADRIAN, MICH.** Mention American Florist.

"ROSE LEAF" EXTRACT OF TOBACCO, INSECTICIDE,

Death to Aphis, Red Spider, &c.

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The Best and Largest Stock in the World. New & Rare Foliage & Flowering Plants.

A grand selection for Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England.

New Fuchsia LITTLE BEAUTY, 50.000

The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100. **BEATRICE** 4 1/2 in., from 2 1/2 in. pots, \$3.00 per 100. **GERANIUMS, Marshall, McMahon, Happy Thought, Silver Cord,** strong plants, from 2-in., \$1.25 per 100. Cash with order. Special price on large quantities. **LINCOLN I. NEFF, Florist, 4010 Butler Street, Pittsburgh, Pa.**

Chrysanthemums.

... Rooted Cuttings.

Mailed for \$1.00 per 100.

THE FOLLOWING KINDS:

E. G. HILL, MRS. SCHUCHARDT, LOUIS BOEHMER, WM. FALCONER, ROHALLION, JOHN LANE.

CASH WITH ORDER.

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ACME PLANT FOOD.

A Special and Complete Fertilizer for all kinds of Fruits, Vines, Plants, Flowers and greenhouse use. Put up in boxes of 1, 2 1/2 and 5 lbs. each.

ACME Special Grass or Lawn Food.

Will keep a lawn green the whole year. Put up in cloth bags of 5, 20, 50 and 100 lbs. each.

ACME Garden Vegetable Food.

Put up expressly for all kinds of Vegetables in cloth bags of 5, 20, 50 and 100 lbs. each.

WANTED—Responsible Agents in every City to sell my Acme Special Fertilizers which are put up by experienced men. Send for price list. Discount to Agents.

HERMANN RÖLKER,

218 Fulton Street, NEW YORK.

2000 *Centaurea Candidissima*, 2 1/4-inch.
 500 *Othonna Crassifolia*, 2 1/2-inch.
 500 Musk Plants, 2 1/4-inch.
 500 *Lobelia gracilis*, for baskets and vases, 2 1/2-inch.

This stock is well grown and ready for larger pots, at \$3.00 per 100, or \$25.00 per 1000

LOGAN AVE. GREENHOUSES, DANVILLE, ILL.

ROOTED CUTTINGS CHRYSANTHEMUMS

All the best new market sorts, 60c per doz.; \$1 per 100. Best market sorts of previous years, 35c per doz.; \$2 per 100. Ready for delivery Feb. 1st. Also **CYCLAMEN persicum** giganteum, 3 1/2-in. \$6.00 per 100. **GONISTAS**, 5-inch pots, fine plants, \$12 to \$15 per 100. **SMILAX**, 2 1/2-inch pots, \$2.00 per 100; \$15.00 per 1000.

Address **J. G. BURROW, Fishkill, N. Y.**

Kieffer and Barlett Pears (3 years), Abundance and Burbank Plums, Japanese Persimmons (1 and 2 years), Scuppernong, Thomas and Flowers Grapes (1 and 2 years).

Extra fine stock at greatly reduced prices.

GLEN ST. MARY NURSERIES,

G. L. TADER, GLEN ST. MARY, FLORIDA.

THE CALIFORNIA VIOLET.

- "THE CALIFORNIA is the largest, most fragrant, and most beautifully colored of all the Violets."
- "THE CALIFORNIA VIOLET is a New Flower and the Fairest and Sweetest Blossom in the World."
- "THE CALIFORNIA VIOLET is the most prolific bloomer. Its flowering season lasts seven months. The average yield is about 350 flowers to a plant."
- "THE CALIFORNIA, the Queen of all the Violets."
- "The wonderful CALIFORNIA VIOLET has frequently twin flowers on a single stem."
- "The coming fashionable flower, THE CALIFORNIA VIOLET, will prove the most profitable to grow."
- "The sweetest flower that grows, THE CALIFORNIA VIOLET. Our patrons are continually increasing the size of their orders for them."
- "The greatest Floral Novelty of the century, THE CALIFORNIA VIOLET."
- "THE CALIFORNIA VIOLET, immeasurably superior in every respect to other varieties."
- "The exquisite CALIFORNIA VIOLET is the Floral Novelty of the United States. No other Violet is of such extraordinary size and beauty."
- "THE CALIFORNIA VIOLET, with its clearly outlined petals, is the embodiment of graceful beauty. A single plant will produce several hundred flowers of immense size and exquisite fragrance, on stems 10 to 14 inches long. The color is a clear violet-purple, and does not fade."
- "The beautiful CALIFORNIA VIOLET, excelling all in the richness and purity of its color, the fragrance of its perfume and the delicacy of its form."—THE EXAMINER, San Francisco, Jan. 30th, 1895.

We have 100,000 CALIFORNIA VIOLETS on the way, none too many for our orders.

The order for the insertion of the California advertisement of THE CALIFORNIA VIOLET in the Florist's Exchange, Novelty Edition, had been given before our appointment as Eastern Agents of THE CALIFORNIA VIOLET had been made.

All correspondence in reference to THE CALIFORNIA VIOLET east of the Rockies should be addressed to

PITCHER & MANDA, Inc., EASTERN AGENTS, Short Hills, N. J.

LITTLE'S ANTIPEST.

Valuable Discovery of the 19th Century.
SILVER MEDAL AWARDED
— BY THE —
CALIFORNIA STATE FAIR OF 1890.

This preparation is a sure destroyer of the **Scale, Woolly Aphis** and **Insect Pests** of any and all descriptions. It may be as freely used in the conservatory, garden and greenhouse as in the orchard or vineyard. It is non-poisonous and harmless to vegetation when diluted and used according to directions. It mixes instantly with cold water in any proportion. It is **Safe, Sure** and **Cheap**. No fruit grower or florist should be without it.

Send for Circulars and Price List.

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Mention American Florist.

DAHLIAS. An immense stock of the best sorts of the various classes. Prices low in quantity.

CANNAS. Barr's Mammoth, Couover's Colossal and Palmetto; special prices on large lots.

HONEYSUCKLES. Fine for potting for spring sales.

AMPELOPSIS VEITCHII from 3-inch pots, \$50.00 per 1000.

CLEMATIS PANICULATA from 3-in. pots, \$50.00 per 1000.

TREES, Deciduous, Evergreen, Fruit and Ornamental. Also Flowering Shrubs and Vines in variety. Send for Trade List.

THE WM. H. MOON CO., Morrisville, Pa.
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TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

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GLASS HEADS, IN BLACK, WHITE AND VIOLET.
AUG. F. BRABANT,
54, 56 & 58 Warren Ave., New York.

ESTABLISHED 1866.
FLORISTS WIRE DESIGNS
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BOSTON FLORIST LETTER CO.,
13 Green Street, BOSTON, MASS.
Address all correspondence to 1 Music Hall Place.
Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1 1/2-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter.
With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

Our letter is handled by all the wholesalers in Boston. AGENTS: A. Rolker & Sons, New York; M. Rice & Co., 25 N. 4th Street, Philadelphia, Pa.; F. E. McAllister, 22 Dey St., N. Y.; H. Bayersdorfer & Co., Philadelphia, Pa.; A. D. Perry & Co., 33 Warren St., Syracuse, N. Y.; A. C. Kendall, 115 Ontario St., Cleveland, O.; E. H. Hunt, 70 LaSalle St., Chicago; Wisconsin Flower Exchange, 131 Mason St., Milwaukee, Wis.; H. Sniderbruch, 4th and Walnut Sts., Cincinnati, O.; T. W. Wood & Sons, 6th and Marshall Sts., Richmond, Va.; Jas. Vlek's Sons, Rochester, N. Y.; Dan' B. Long, Buffalo, N. Y.; C. A. Kuehn, St. Louis, Mo.; Huotington Seed Co., Indianapolis, Ind.; Z. De Forest Ely & Co., 1024 Market St., Philadelphia, Pa.; Portland Seed Co., 171 2nd St., Portland, Oregon; A. Herrman, 415 E. 34th St., New York; Geo. A. Sutherland, 67 Bromfield St., Boston; Welch Bros., No. 1A Beacon St., Boston; N. F. McCarthy & Co., 1 Music Hall Place, Boston; The Henry Phillips Seed and Implement Co., Toledo, O.; Bert Cokely & Co., 234 Church St., Philadelphia, Pa.; Walter A. Potter & Co., Providence, R. I.; L. J. Kreshover, 193 Greenwich St., New York; J. C. Vaughn, 26 Barclay St., New York.
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Neponset Flower Pots

of Waterproof Paper, are sold as follows:

Terms—Net cash with order. If ordered shipped by freight, add 50 cents cartage.

Size	Packed Crates of 1000	Gross Weight per 1000 pots	Per 100	Per 1000
2 1/4 inch	1,000	about 20 lbs.	\$0 25	\$2 50
2 1/2 "	1,000	" 23 "	" 30	" 3 50
3 "	1,000	" 25 "	" 35	" 4 50
3 1/2 "	1,000	" 45 "	" 50	" 6 00
4 "	500	" 70 "	" 60	" 7 50
5 "	500	" 110 "	" 90	" 8 50
6 "	500	" 150 "	" 1 50	" 13 50

Less quantities than full crates at 100 rates.
F. W. BIRD & SONS, Manufacturers.
Address orders to our Agents.

August Rölker & Sons
136 W. 24th St., NEW YORK.
Mention American Florist.

H. BAYERSDORFER & CO.,
WHOLESALE
FLORISTS' SUPPLIES ONLY,
58 N. 4th Street,
PHILADELPHIA, PA.
Our new Catalogue is now out, free upon application.

M. RICE & CO.,
Florists' Supplies,
23 & 25 N. 4th St., PHILADELPHIA, PA.
Send for Catalogue.

WHITE DOVES
FOR FLORISTS.
Largest and finest stock in the United States. Write for prices to
S. J. RUSSELL,
850 Montgomery St., Jersey City, N. J.

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

MAIL LOCK THE DOOR BEFORE THE HORSE IS STOLEN DO IT NOW.
JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

Mention the American Florist when writing to advertisers on this page.

Kansas City, Mo.

Our club met again at R. S. Brown & Sons with quite a good attendance, and another brother joined our ranks. The essays were not forthcoming, but your correspondent firmly believes that most of them had them in their inside pocket: it was simply who should start first? However, we had a good warm discussion regarding the taking of dying palms back to keep and restore to health. This I believe to be one of the worst features in the business of the retail florist. The plant is invariably too far gone when brought to the florist to restore, and of course dies. Then he is told it was not possible for it to die so soon, and in some cases that he actually destroyed it in order to compel them to buy another, etc., or that he used it to decorate with. How many of us get paid the value of the room taken up by such rubbish, not figuring on the bad effect it has on our own stock?

Business has been extra good the past week, but stock—especially roses and violets—has been very scarce. There has been a splendid demand for hyacinths, cyclamens, begonias and cinerarias. In fact the demand for cinerarias has never been so good, and the plants are much superior to any seen here before. It demonstrates that good plants will always sell, and would be better for us all to grow less and have them good.

Arthur Newell, while out with his fast trotter, was caught in a storm, contracting a severe cold and has been confined to his bed for several days, but we learn that he is able to be out a little when the sun is out and warm, although he is by no means well yet. S. M.

Washington.

The florists of Washington as a rule are kept quite busy during the last week or two of the gay season, as there is generally a crowding of teas, luncheons, dinners and weddings into the last few days. For this reason several of them will be kept on the jump for the few remaining hours before Lent begins. Our florists have had no cause to complain of business the past week, as the weather has been all that could be desired and flowers of all kinds have been plentiful and up to the standard of quality. REYNOLDS.

"If it Could Only Bark."

"An' that's a cbrysanthemum," said Mr. Dolan, deeply interested. "It is," replied his wife, who had been indulging in some floral purchase. "Well, a wonderful flower it is; if the t'ing cu'd only bark, it'd be as foine a Skye terrier ez ye'd want to see!"

PREPARE your ads. now for our special spring number to be issued March 16, and send in as early as possible.



Iron Reservoir
VASES,
Lawn Settees
—AND—
CHAIRS

Are Manufactured by

McDONALD BROS., Columbus, O.

The largest manufacturers of these goods in the world. We issue a large 40-page illustrated catalogue, which will be sent free on application. Mention American Florist.



What Growers Say! A Different Letter Every Week

CHARLESTON, W. VA., Nov. 27, 1894.
LOCKLAND LUMBER CO., Lockland, Ohio.
Gentlemen:—The material for my new greenhouse arrived in good condition, and the lumber was of the best quality, and I had much more than I ordered.
When wanting more lumber I shall certainly give you a call.
Yours truly,
J. R. SHAVER.

Green-House Material.

The finest **CLEAR CYPRESS** used.

For circulars and estimates ADDRESS

LOCKLAND LUMBER CO.
LOCKLAND, O.



Pat. Plant Tubs.

NEW IMPROVED
ORCHID CRIBS.
A full line of
Florists Baskets
AND SPECIALTIES.

Write for Illustrated Catalogues.



HOME RATTAN CO., 483 Wells St., Chicago.

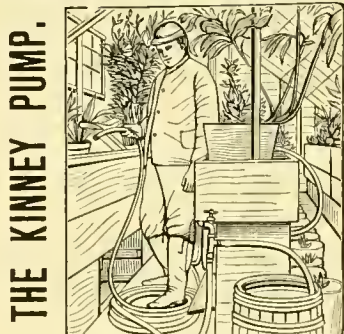


California Red Cedar NEVER DECAYS.

A. DIETSCH & CO., 619 Sheffield Avenue,
Mfr's of Red Cedar and Cypress Greenhouse Material, **CHICAGO.**

SHIPPING BOXES FOR CUT FLOWERS.

Have you ordered some of these yet? The best and cheapest box on the market. Also the lightest and strongest—weighs about 4, strong as 40 pounds. "Saves its cost in a week on reduced express rates; we call it 'The Perfection,' and that's what it is." Prices wonderfully low. Send for circular at once. **G. C. WATSON, Philadelphia.**
Seeds, Bulbs and Plants (Wholesale only) 1025 ARCH ST.



THE KINNEY PUMP.

THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island.
Only 29 Kingstons in the U.S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill.
"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

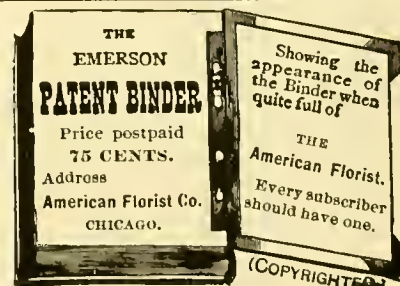
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PLANT BED CLOTH. CHEAP SUBSTITUTE FOR GLASS on Hot-beds, Cold Frames, etc. Three grades. Light, Medium, Heavy.



Used by Florists, Gardeners, etc., invaluable for Tobacco Growers. Protects from frost. Promotes hardy, vigorous growth and keeps beds warm; will not shrink or mildew. For sale by the leading Dry Goods houses, Seedsmen, Florists, etc. Well known and extensively used. For circulars and samples apply

NATIONAL WATERPROOF FIBRE CO.,
27 South Street, - - NEW YORK.
Agents Wanted.



OUR ANNUAL SPECIAL SPRING NUMBER

WILL BE ISSUED

March 16.

It will be as usual a very large number, full of valuable matter specially prepared for it, and lavishly illustrated from photographs prepared specially for it. It will be a decided advance upon any previous special number, and will reach every buying florist in the United States and Canada.

No Increase in Advertising Rates.

Send advs. early so we may have time to set them up in our best style.



AMERICAN FLORIST CO.

P. O. Box 164.

CHICAGO.

Cut Flower BOXES

Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

Plant Stakes.

¼, 5-16, ⅜, ½, ⅝, ¾, and ⅞-inch square cut to lengths wanted.

When asking prices state sizes of boxes or stakes and quantity wanted.

**Lockland Lumber Co.,
LOCKLAND, OHIO.**

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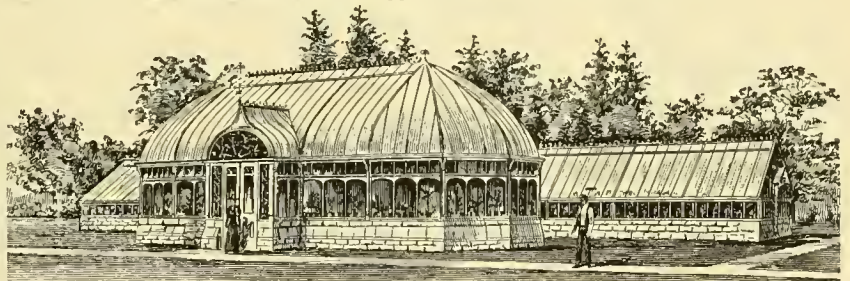
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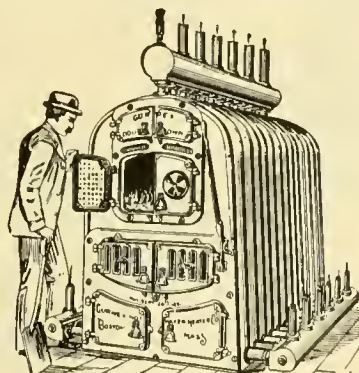
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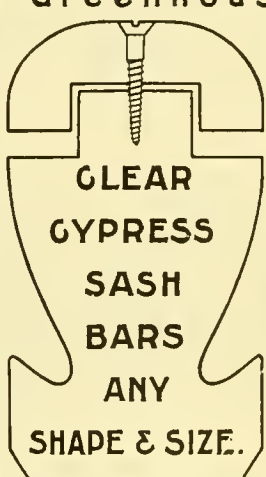
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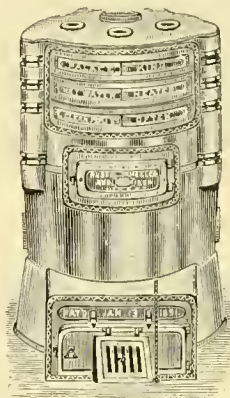
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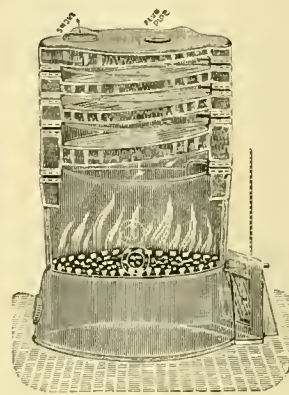
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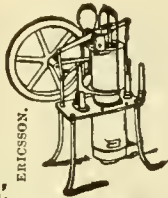
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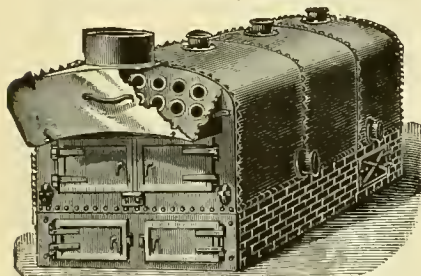
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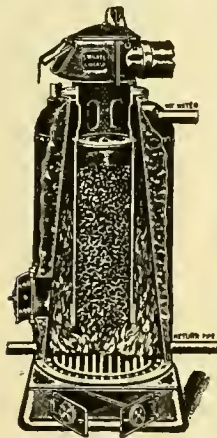
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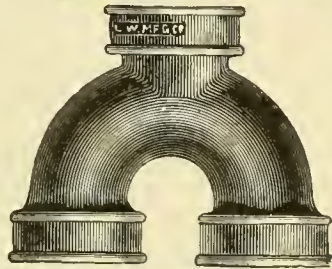
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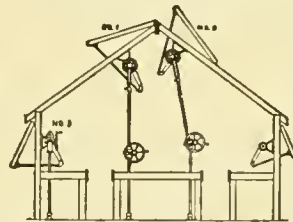
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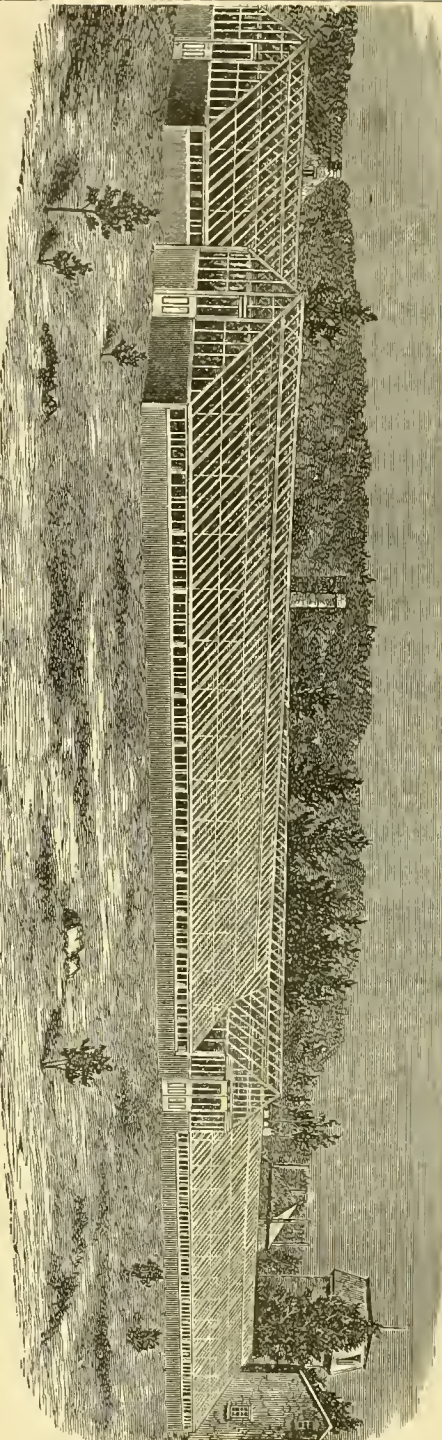
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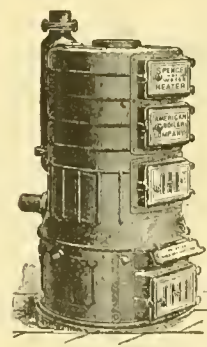
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WORCESTER, MASS.—M. H. Kelley, for the past fifteen years with Chas. D. Thayer, is now with F. B. Madans, in charge of the Heywood street greenhouses.

WEST COLLINGWOOD, N. J.—Arthur Mallon, Jr., who lately sold his establishment in Philadelphia, will move to this place about June 1 and will engage in growing for the Philadelphia market.



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Vol. X.

CHICAGO AND NEW YORK, MARCH 9, 1895.

No. 353

THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

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Eastern Office: 67 Bromfield St., Boston.

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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WE SHALL issue our special spring number March 23 instead of March 16 as previously announced.

LAFAYETTE, IND.—The mother of Mrs. F. Dorner Sr. died February 28, and the father of Mrs. F. E. Dorner Jr. February 27.

SEND ADS. NOW for our special spring number. It will be a beauty and will reach every buyer in the U. S. and Canada. No increase in adv. rates.

GRAND RAPIDS, MICH.—The Grand Rapids Florists' Club has been organized with an initial membership of seventeen and the following officers: Henry Smith, president; Wm. Cunningham, vice-president; L. N. Renwick, secretary; N. B. Stover, treasurer; J. A. Creelman, press reporter; Wm. Scott, custodian. Pink was adopted as the club color and the carnation as the emblem of the organization. Meetings will be held semi-monthly, the next one on March 19, at which a committee will submit a draft of constitution and by-laws for action.



Carnations That I Have Seen.

BY EDWIN LONSDALE.

[Read before the American Carnation Society at Boston, February 22.]

I prefer to give this paper that title rather than the one selected by the executive committee. It will answer the purpose for which it was intended, I think, and at the same time will give me a somewhat wider scope; yet not too wide, I trust, to test your patience. If I were to confine my remarks to carnations of the past decade I would of necessity have to omit some good varieties. For instance Buttercup. That variety has been in cultivation nearer two decades than one. It is pleasant to talk about the old varieties that stood by us twenty years ago. Though I do not intend to make this an elaborate paper, nothing like the gradual unfolding of the carnation, as one might expect that such a subject would suggest, but just to have a little chat about carnations that I have seen, and the impressions formed of them.

The first carnations that I became acquainted with were President Degraw and La Purite. Of each of these kinds I had a few cuttings given to me. It must have been about the year 1871. These cuttings rooted and in due time bloomed; but I was very much disappointed to find that La Purite had dark pink flowers, whereas the Degraws were white. I felt certain that either I or the person who gave me the cuttings had made a mistake, as I thought La Purite was so named because it bore pure white flowers. And the President Degraw—there was nothing descriptive in its name, and the dark pink flowers could easily have been named after that good patron of horticulture, who, if my memory serves me correctly, was at one time president of the Brooklyn, N. Y., Horticultural Society. I am not quite sure, but I am half inclined to think that when I found the colors of the flowers were as indicated, I changed the labels until I could find out positively whether a mistake had been made or not. In those days there were not so many carnation growers as there are now, and where carnations were grown was in establishments where a general florist's business consisted principally of growing bedding plants for spring sales. Strange as it may seem, when it was found that I was wrong in my suppositions I disliked very much to give up the idea that a mistake had not been made; and even to-day sometimes I feel that an error has

been made in the naming of the carnation La Purite.

It is not my intention to treat upon varieties in the order of the time of introduction, or as regards their merit, thinking perhaps it would be better if I dealt with them alphabetically, or nearly so; in that way new and old sorts will be mixed in about equal proportions. Mme. Diaz Albertini is one that is a favorite with quite a number of growers. Its large size and stout stems are its principal good points. Its color, though it might be classed with the Wilder pinks, is not as cheerful as it might be. It has more or less of a faded look, and under ordinary treatment it is rather a late bloomer. This, however, may to some extent perhaps be obviated by early propagating, and taking care not to pinch back too late in summer.

Alegatiere has had its day. It is grown in very limited quantities in these days, Portia having superseded it, on account of its being a brighter color and a freer bloomer.

The American Flag is a striped variety. This, as is generally known, is a sport from Portia. It never attained the popularity that was predicted for it. It is, however, very distinct, and where striped varieties are appreciated it is a good one to grow.

Andalusia is a French variety; this is very nearly out of date. It is a yellow, and is distinguished now, principally, as being one of the parents of Shelmire's Cæsar. On this account I expected great things from Cæsar as a producer of yellow seedlings, feeling that we had good reason to expect golden flowers through its pedigree; but I regret to say that my anticipations were not realized, as the coloring lacked life or brightness. Mr. Shelmire, I believe, has been more successful.

Chas. Sumner I remember fourteen or fifteen years ago. It was sent out as Bock's seedling, having been disseminated by Mr. Bock of Cambridge, Mass.; and after it had been out for a while it was given the name as indicated. This same variety was cultivated around Chicago as Anthony's Pink. I believe it was mixed among another kind, and those having it in their possession, not knowing the correct name, it was called Anthony's Pink, until its true name was made known. As I remember it, it produced pink flowers something after the color of Grace Wilder, or perhaps a trifle lighter in color. It was a dwarf sturdy grower, but for some reason or other with me it failed to come up to the standard of those days, not being a sufficiently free bloomer I believe was its principal fault.

Most everybody, I think, in those days either grew or tried to grow Astoria. It was a very beautiful variety, but was not sufficiently free blooming to warrant us in growing it in large quantities. This

also has the distinction of being one of the parents of a noted variety, namely, Buttercup, which is one of the popular varieties of to-day.

Aurora is a more recent introduction than any of those hitherto mentioned, excepting Albertini. Some growers speak very highly of Aurora and grow it in large quantities; but with me it did not prove successful, having a disposition to be affected with the disease known as "spot."

Beauty of Oxford is another one I tried to grow, but this also was affected with the same trouble, and never produced a flower with me that was salable.

Much was expected from the variety Ben Hur, but we rarely hear of it being mentioned in these days.

Blanche came out highly recommended, but it was troubled so much with bacteria that it always had a very limp, unhealthy look; and I question whether there is any of this variety grown at the present time, and it is not a very old variety either.

Blizzard is one of Mr. Starr's, I think, a more recent introduction than Buttercup. Buttercup, though, is much superior to this variety in color, that is to say, the yellow in Buttercup has more life in it than the yellow in the Blizzard. There is one claim for it, however, that it is more easily propagated than Buttercup.

La Belle brings up many memories. It was in the early seventies when there was so much furor both in England and in America about this variety. The illustrations that were used in those days were importations, and showed this variety to be trained on, apparently, a balloon trellis. It was described as being a tree carnation. Tree carnations, so called, were grown in England year after year, in fact, as long as they presented a respectable appearance and were what was considered profitable. The method of cultivation in England is entirely different from ours, that is to say, it was in the days when this variety was in the heyday of its youth. It was advertised very extensively, and if I remember rightly, plants of it were sold at one dollar each. The establishment on which I was engaged at that time secured one plant. Though it was tried in the same way as we grew carnations in those days and to-day, it was too tall a grower and flowered too sparsely to be of any value. The flower was of good form and size.

Boule de Neige—I do not know whether this variety was introduced from France or not, judging from its name one would think that it was an importation. However, be that as it may, the varieties known as Edwardsii, Peerless and Boule de Neige appeared to be so nearly alike that they have been pronounced identical. These were all popular in the seventies, and long since that time they have been cultivated under one name or the other; very excellent flowers we have cut from them, and they were very prolific. Very seldom indeed in those days were flowers cut with long stems. I am inclined to think that carnations paid just as well then as they do now, even at the higher prices they are now bringing. I cut 50,000 flowers from these sorts in one year, two-thirds were white and one-third were of the old La Purite, off a table six feet wide and eighty feet long; but we seldom cut a long stem to a carnation then, unless perchance there were no other buds to be seen.

Buttercup. I have an apology to make to this variety. I have abused it in season and out of season, more I think than all the rest of the carnations put together.

When it was first sent out by Mr. C. T. Starr I secured a few plants of it, but it proved a miserable failure. The plants took on the brown dead leaves that we dreaded in those days as much as we do now, and seemed really to have a hard struggle for existence. The plants were very little larger when they were taken up in the fall than they were when planted out in the spring. They rarely occupied the space in the greenhouses long after being lifted; space was too valuable for sickly Buttercups to occupy. Oat they would have to go, with a resolution never to try them again, until I would take a trip to Chester county and see them flourishing in all their golden glory. I remember with a great deal of pleasure on one occasion I happened to visit Kennett Square and Avondale, when all the carnation growers appeared to be holding their crops of Buttercup, which had been ordered for a Buffalo golden wedding. Those houses, many of them filled with Buttercup, presented a sight I shall never forget. I was so impressed with the variety that I had to try it again, with the same results as just recorded; and every time that I tried it it was always a failure until three years ago. About that time I had some orders that I could not fill for field grown plants of this variety, and not being able to get as many as I wanted from Pennsylvania I found it necessary to secure some from another state (New York) to complete the order. The plants were so superior from New York that I had hopes I could grow them as successfully as they were grown, as they looked much better than I had been able to grow them myself, or had seen them at any other place. I ordered a few more for the purpose of trying them alongside the ones that I had received from Pennsylvania, and although the result was not a great success it was sufficiently so to encourage me to persevere further in the experiment. During this time I had had some experience in combating the disease in carnations known as "rust," by growing them under glass all summer. I determined to secure young plants in the coming spring from New York state, where the better plants came from. They were grown under glass all summer, and were very much better than I had ever grown or seen them before. This year I grew them under the same conditions from cuttings taken from the plants which had been growing continuously or nearly so under glass, and to-day I defy any person to show a better lot of Buttercups than these are. They are large healthy plants, fine foliage, and with very few discolored leaves on them; full of buds, and the flowers are as good as many of the novelties that are being offered to-day. Mr. Wm. Swayne of Kennett Square called to see me a few days ago, and he pronounced them the finest that he had ever seen.

Now I wish to dwell a little on this point, because we are led to believe by some carnation growers that the carnation is naturally a short lived plant, that it only has a short time to live, and that it is absolutely necessary that we should be raising seedlings continuously for the purpose of taking the place of the varieties that must die out, after being in cultivation only a very few years. I think our friend Fred Dorner made that statement at the convention of the S. A. F. which was held at Toronto. Mr. W. R. Shelmire proved to the contrary of this in his able essay at Buffalo before the Carnation Society a few years ago. And another point: twenty years ago we were led to understand by some of the old mas-

ters in horticulture that it was absolutely necessary, in order to keep plants healthy, to put them out of doors in the summer; that it was more natural for them to be out of doors in the summer than it was for them to be under glass. Apparently this seems true, and in some cases it may be so, but not as regards carnations, we think. To make use of an expression made by a young enthusiast who saw the Buttercups in our greenhouses last week that, under our treatment, "they were rejuvenated."

Many of us are apt to jump to conclusions. It was by the merest accident that I undertook to grow carnations under glass all summer. As to how it was brought about: I at one time had a seedling which I purposed disseminating the following spring; and in order to get up as large a stock as possible I kept on rooting the cuttings until quite late in the spring or early summer. It was so late in fact, and the weather so dry, that those plants remained in thumb pots all summer. After the general collection of carnations had been lifted in the fall this particular seedling showed unmistakable evidences of being affected with the much dreaded rust. As soon as possible all the affected leaves were picked off and destroyed; but when the job was completed the plants appeared to be planted too far apart, and in order to fill up the spaces we made use of the small plants which were rooted late and had remained in thumb pots under glass all summer. They were planted between the rows or lines of the affected plants, and strange as it may appear, the unaffected little plants on each side of them were never affected by the rust during the whole season. At that time the rust had not created quite such a profound impression upon the growers as it did later. I introduced this point here in order to show how it came that I decided to try Buttercup under glass all summer. I reasoned in this way, that if one disease could be combated by this treatment, why could not other diseases be combated by the same treatment, and I am pleased to be able to say that the results have been eminently satisfactory. And to speak further, I believe that we will find that some of our choice varieties, if we wish to get the very best results from them, will have to be grown under glass all summer. Suppose a rose grower was to attempt to grow roses in the way that we have been growing carnations. Just fancy American Beauty being planted out all summer; what kind of a plant would we have to lift in the fall? It would be very little larger than when planted in the spring. Nearly every leaf would be affected by "black spot;" yet *Hermosa* and some other varieties of roses would flourish under that treatment and be happy. The same with chrysanthemums; if chrysanthemums were planted out of doors all summer and lifted in the fall we would not have the grand blooms we are now getting in November. Excuse this digression, but I wanted to impress these points upon my hearers, and to advise that all of us be quite lenient towards new varieties in carnations as well as other novelties; because it is possible that the treatment we have been giving the subject is not congenial; and if the variety is meritorious it is worthy of some intelligent experimenting before it is unceremoniously condemned.

To return to carnations that I have seen. *Brutus* is a red sport from *Cæsar*. In this connection I remember very well some years ago making an address on carnations before the Florists' Club of



COSTA RICA. TROPIC VEGETATION AND PLANTATION BUILDINGS.

Philadelphia. I had invited all those who had new or meritorious varieties of carnations from all over the country to forward them to me, so that I could use them to illustrate that address. I will remember how I held up *Cæsar* and pronounced it the best variety that was sent to me for that occasion, insomuch as it showed an advancement over all others in respect to the fine form of flower and a stout stem. It was the stout stem that took my fancy, and for that reason I pronounced it the best variety. *Cæsar* and *Brutus* are identical, I think, as regards growth, etc., excepting in the color of the flowers. *Cæsar* is a salmon color or very light red, striped with a darker shade; and *Brutus* is a self colored red. Unfortunately the coloring lacks brilliancy, being a very dull shade of red. This was a cross between the variety *Andalusia*, before referred to, and E. G. Hill, but which was the pollen parent or seed parent I really forget.

Bouton d'Or.—The nomenclature committee must please excuse me for referring to this variety as *Bouton d'Or*, if I recollect rightly, it should be *Baron Rothschild*. It is of French origin, and was first introduced to carnation growers in America by Mr. Denys Zirngiebel, Needham, Mass., who disseminated it only in very small quantities, and for some reason it did not flourish to any great extent, excepting in the hands of the *Daille-douze Brothers*, Flatbush, N. Y. To them belongs the credit of saving it to cultivation. It is a very distinct variety, very pretty in form, and faintly dashed with crimson. I have often thought that a

self colored sport from this variety would be a decided acquisition. The dark markings, small though they be, take a little life out of the coloring, according to my fancy; though it is a very good variety and it is spoken of very highly by people who are giving it a trial this winter for the first time.

Daybreak, which was sent out by *Simmons & Co.*, Geneva, Ohio, is, taking it altogether, I think, the best variety that was ever disseminated. It seems to do well generally, very seldom do we see it under any other conditions than that of giving entire satisfaction. It is true that *Miss Joliffe*, an old variety imported from Europe, is somewhat similar in color, but the flower is not nearly so well formed nor is the plant so strong a grower as *Daybreak*. Respecting rust proof varieties, with me, *Daybreak* has always been without rust, but I regret to have to say that I have grown several varieties which were not rust proof; and I also regret to have to say that I have seen rust on *Daybreak* on other places. And I am of the opinion that under certain conditions all and every carnation will take rust, no matter how carefully the breeder may lay his plans.

The variety *Fred Dorner* for a while promised well, on account of its large size and erect stem, but it is gradually going out of cultivation. It had a bad tendency to burst, and its coloring was not sufficiently brilliant to satisfy the flower buyers.

The variety *Wm. F. Dreer* is a very large flower, and, if I recollect right, is the result of a cross between *Century* and

Buttercup. This variety I have used in many of my operations in trying to produce a yellow flower, thinking that its pedigree might have an influence on the progeny; but I regret to have to say that there were no satisfactory results.

Edelweiss is a sport from *Chester Pride*, and like its parent was inclined to be a late bloomer. It never became very widely disseminated, as it is seldom or never seen in the advertised lists of carnations to-day. With me the flower came very much larger than its striped parent, but owing to its shy blooming character we had to discard it.

Grace Fardon for a while was quite popular, on account of its light pink colored flowers, but its diminutive size was its great drawback.

Mrs. Fisher was a sad failure for a long time about Philadelphia. It has never really got a strong foothold in the immediate vicinity of that city; but in some parts of Chester county it is largely used for summer blooming, and for that purpose it had no equal, so far as I know. But in and around Boston it is the most profitable white variety grown, I am told. It is also spoken of very highly in several other cities.

J. R. Freeman for a while promised well for a crimson, but its stem was so weak and it had such a tendency to the spot disease that nowadays it is seldom or never seen.

The variety *Dawn* was always very interesting to me on account of its unusually distinctive and very pretty shadings. It has been a fancy variety for a long time. It is now being superseded

by the Maud Dean; though similar in its colorings this is vastly superior to the old variety in every way possible.

Of the novelties sent out last year, Goldfinch has some good points. It has stout erect stems, and it is a free bloomer; but it has the fault of not being bright enough in color, according to the fancy of flower buyers.

The variety named Lois J. Haettel has made many friends on account of its free blooming qualities, its deeply fringed petals and exquisite fragrance. It, however, failed to grow freely for me, and I had to discard it.

The variety Nancy Hanks has some good points. It is similar to Edna Craig in some respects, and like that variety is not constant in its coloring. It lacks that delicate touch of color which is so essential in these light pink varieties.

The J. J. Harrison, on account of its delicate markings, has held its popularity for a long time. Its tendency to split its calyx is its one great fault, and has been the cause of fewer of that variety being grown the past year than formerly.

Great things were expected from Hector. We were told when it was first sent out that it was not only the best scarlet carnation, but was pronounced one of the very best carnations ever raised. We naturally expected great things from that variety. But alas! it had its faults. The flowers failed to open; it had a sleepy shriveled look, and the majority of the flowers were not salable, so that it had to go. But our good friend Elijah A. Wood prevailed on me to give it one more trial. I shook my head in doubt, but could not resist our friend's enthusiasm, and in due time a hundred very fine young plants of Hector were received. They were planted in due course, attended to as the rest of the carnations are in the field, and were lifted in the fall; and to-day they are as fine a looking lot of carnations as any person wishes to see. Now what is the cause of this difference? The flowers, for the most part, open well; it is of a good form, and has quite a long stem, and the plants are vigorous and thrifty growers. A very, very few of the flowers show the same tendency which they had the first and second year that I tried it.

Everybody who grew carnations twelve or fourteen years ago remembers the variety Peter Henderson, which was disseminated from Louisville, Ky. It was raised by a florist in Rochester, N. Y., who obtained the seed from Alegatiere, France.

Hinsdale is another old variety that most of us remember. If I am not mistaken it was said to have been a sport from Degraw. It had certainly the habits of Degraw in some degree; but the flower was faintly tinted; so also was Degraw at some seasons of the year. Hinsdale was a great favorite in New York for some years, but rarely seen in these days. [Mr. C. H. Allen, with whom Hinsdale originated, stated during the discussion which followed the reading of the paper that it was a sport from Peerless.]

Old Hinze's White is still grown to a limited extent, and it has been productive of quite a number of seedlings. It has as good a constitution as any variety that we have to-day. I have seen this variety rot off very badly, though, in the field in the summer; especially was this the case if the season happened to be damp and the situation low, and the soil of a stiff clayey nature. I have seen as good flowers cut from this variety as any variety that we now have, but it fails to flower early enough in the season, making it too late to be profitable.

Iago is a very pretty crimson flower, but am afraid it is rather undersized.

Jacqueminot was terribly affected with rust, and although it is a very pretty color and flowered freely enough in the early part of the season, it hardly flowers free enough under the treatment which I am giving it at present to be profitable. Will try it again next year under different treatment.

Helen Keller. I hesitate to say much about this novelty of last year. I can, however, say for it, that it has sold for more money, I think, for a variety that is in general cultivation, this past Christmas, than any other variety that has gone before. (This statement refers, of course, to Philadelphia). We ourselves sold six hundred of it at eight dollars per hundred. Some growers have difficulty with this, I hear. I have received some complaints, and I have also received many pronounced compliments regarding it. My plants look fairly well; but Mr. Totten of Saratoga Springs, N. Y., states that his plants are double the size of mine. I would certainly like to see them and learn the secret of his success. I do not hesitate to say that Helen Keller is the best formed flower of any that is in commerce, and it is also performing a mission. It is breaking down that old and prejudiced notion that a carnation to be popular must be a solid color. That notion originated when very few other kinds than white carnations were used, and then only in funeral work and made up floral pieces. Whoever objected to Buttercup because it had stripes in it? I never heard any objections; and the longer we grow carnations the more these old ideas will give place to more rational ones.

Adelaide Kresken promised very well. I have seen some magnificent flowers of this variety, and it certainly is worthy a trial.

The white variety Lizzie McGowan, I believe, is more largely grown than all the rest of the whites put together, though this variety fails to give entire satisfaction around Boston it is said, and so far as I could learn the Silver Spray is better appreciated in the west than is Lizzie McGowan. But the number that is grown about Philadelphia and New York certainly testifies to its value as one of the most profitable varieties that can be grown.

We have some of us had a great deal to say about Lady Emma, which was sent out a great many years ago by Mr. Chas. T. Starr. How that variety could have been mixed up with Portia I can not understand. No two varieties could be more distinct than were those two. I do not believe it is possible to find a true plant of Starr's Lady Emma in existence to-day. The foliage was more green than any other carnation that I remember, whereas Portia has a pronounced bluish cast. Lady Emma was more dwarf in its growth than Portia. The flower stems did not rise up from the plant in the same way as they do from Portia. It was short lived on account of its tendency to spot.

The white varieties L. L. Lamborn and Wm. Swaync have been favorites with both growers (especially the first named variety) and persons who bought flowers, for quite a while, but it is not every florist who can grow them successfully.

Old La Purite has gone, but its memory is still dear. I have counted on plants of that variety from one hundred and twenty to one hundred and fifty flowers and buds on it at one time; this was many years ago. I question whether any variety can

beat that in these times of progressive horticulture. There are a great many varieties now in cultivation that can not even approach that number.

Ferdinand Mangold for a long time has puzzled me. When I first saw that variety ten years ago—I suppose—it was a flower that appeared to be very full of petals, so much so that they generally burst the calyx. The next time I saw it, five or six years afterwards, I could hardly distinguish it from Anna Webb. I sometimes think that there has a mixture taken place here, and that Ferdinand Mangold is lost, and Anna Webb and Ferdinand Mangold as seen to-day are one and the same thing.

I do not hear any more of May Queen. It at one time was a great favorite in New York. Beautiful rose colored flowers, long stout stem, and a good shaped flower, choice blooms of which would sell very readily to-day. I see, however, that it is still being offered by some catalogue men under the name of Fred Johnson. This is unfortunate; Fred Johnson is a red variety. I question whether the true Fred Johnson can be found in cultivation to-day.

Strange as it may seem, three distinct varieties of carnations have been named Meteor. One is being disseminated the present season. The first Meteor that I recollect was in the early seventies. I am not quite sure who raised and disseminated it, but I am inclined to think that it was the old veteran Mr. Chas. Zeller. It was a good sized flower, though hardly pretty in color, as on close examination the flower appeared as though it was streaked with a pale shade of red, something similar to a more recent variety called Lulu. The next variety was a Philadelphia seedling, though it did not get very far under the name of Meteor, as it was discovered to be identical with one named Philadelphia. Philadelphia was allowed to take precedence; and the name of Meteor was dropped. The Meteor of to-day, of course, we can not say anything about, as it has not yet been disseminated. It appears to be a very promising crimson variety.

I forgot to say in passing that from the same seed pod from which Buttercup was raised one by the name of Venus and another by the name of Duke of Orange also came. Buttercup, however, is the better variety; the Duke of Orange was much smaller and not as good a yellow, and not as many petals in the flower, and the markings were more inclined to be crimson than scarlet, rendering it less bright and attractive. Why I wish to embrace Duke of Orange in this class is because when I grew it many years ago I never found any pollen in its flowers. I hunted for several hours one day over a bed of it without finding enough to use for pollinizing one flower.

This brings me to an improvement over the Duke of Orange, the Myrtle. The flowers are larger, there are more petals, and it is in every way of better form. I believe it was raised by Isaac Larkin of Chester county.

Nicholson, another of last year's novelties, promises to be a useful variety. It is a strong grower, and a large flower, and comes close to the useful pinks in color. The same may be said of Ada Byron, both of which are seedlings raised by Wm. Nicholson.

Some few years ago Mr. Zirngibel distributed a white French variety by the name of Miss Moore. It appears to me that the flower of Miss Moore is the most perfect in form of any variety that we



COSTA RICA. COFFEE TREE IN BLOOM.

now have, and it certainly would be an excellent one for seed saving purposes. It is so beautiful in form, which is one of the essentials that we are striving for in our better class of flowers, especially as we are endeavoring to raise carnations up to the very first class.

I incidentally mentioned Chester Pride, and I wish to add that I believe this variety has been in cultivation as long, if not longer, than any other variety now grown. It speaks well for its constitution, and for that reason it ought to make a good one for seed bearing or pollen producing purposes.

I referred above to Edna Craig. This variety certainly was disseminated under very auspicious circumstances. It was advertised thoroughly and well, and promised to be just the pink variety that we were all looking for; but it also took upon itself a disease which has not to my knowledge been identified. We do not know whether it was bacteria or spot; but whatever it may have been, it was a great misfortune, as it promised well. It is seldom seen now, though a day or two ago a grower informed me that it was doing better for him this year than it had ever done before.

Another delicate pink variety that promised well a year or two ago was

Fred Creighton. It was rather a tall grower, a fine flower, though it was rather late coming into bloom. The crops cut from it averaged fair, but it seems to have entirely dropped out of cultivation. It is very seldom offered for sale, to my knowledge, at the present time, excepting in California.

Crimson Coronet also promised well. It is a variety that could be planted close together, because it makes very little grass. The stems are stout and erect, but it has recently taken on a tendency to become streaked, which spoils all colored carnations. The flowers are not now of good color, and are altogether too small for present requirements.

In the efforts of the seedling raiser to bring out a variety to supersede Grace Wilder there has been more delicate pink varieties raised, I think, than all the rest of the colors put together.

This brings me to another Chester county seedling, by name Grace Darling. It certainly promised well, the flower was of a cheerful though delicate color. It was of good size and good form, but it became stricken with the spot, which I fear has checked the career of more promising seedling carnations than all the rest of the causes put together.

I certainly ought to have spoken of

Grace Wilder before Grace Darling because I am inclined to think that Grace Wilder has been more largely grown than any other variety that we have had. It is a color that is popular, and the variety has done fairly well, generally. Its flowers, of course, will come streaked; but I am afraid that we shall never be able to raise a pink or any other colored carnation that will not take on that streaky appearance, until we improve our methods of culture.

The variety Grace Battles was raised with the object in view of trying to supersede Grace Wilder. For a few years it produced flowers that were uniform in color, and I am free to say that it was the most beautiful color, at its best, of all pinks. It, also, produces some streaky flowers in these days. This is the variety before referred to that was afflicted so badly with rust, and it was this variety that taught me that it is necessary, if we wish to attain the best results with some sorts of carnations, that we must grow them under glass all summer; for this reason, if for no other, I shall always hold it in grateful remembrance. No carnation produces more flowers, I believe, from a given space than this variety does. Mr. John Burton has two houses almost entirely filled with it. They are just one mass of buds and bloom the whole winter season. They were grown under glass all summer.

A variety called Old Gold was sent out a few years ago, and I admired its color, because it was very much like that of the old Safrano and the Sunset roses. It, however, failed to flower sufficiently free, and it had to be discarded. I tried it for seed raising purposes, but did not get anything from it worth holding over for further trial even.

Orange Blossom is being grown a little more now than I think it was a few years ago. We are getting good reports from it from different parts of the country. It is white, shaded in the centre with salmon pink. It is distinct from either Maud Dean or Dawn, inasmuch as the petals are fringed, whereas, in the two varieties before named they are not.

Philadelphia I have already referred to. In habit of growth it is very similar to what we now have as Portia, but the flower was not nearly so bright a scarlet as Portia is to-day. It would appear almost that their origin was similar, as they had some points in common, habit of growth and so forth. There was also another Philadelphia. Mr. Starr had one which was variegated. It was dwarf in habit, and free blooming, but met with little sale, as its advent was in the seventies, when variegated flowers were not popular.

Mrs. Carnegie has a great tendency to burst its calyx. It is considered a good pot plant. By the way, Mrs. Carnegie was one of the parents of Helen Keller, and Peter Henderson or Hinze's White was the other, I forget which.

Emily Pierson is a valuable red variety where it succeeds, but it does not do universally well in all places. It has the appearance of being closely related to General Garfield.

Louise Porsch, yellow striped with red, came out about the same time as Lizzie McGowan, but owing to its tendency to one of the bacterial diseases, it never cut much of a figure in the cut flower world.

I have already referred to Portia incidentally on two or three occasions through these notes; and it is hardly worth while to mention it again, only to say that we are still looking for a scarlet carnation which has all the best charac-

teristics of the present Portia, with a flower twice or even four times as large. Puritan found favor with many growers for a while, but it is not as free a bloomer as Lizzie McGowan, being more inclined to be late. The origin of these two varieties is very similar; if I mistake not, they are both seedlings from Hinze's White, and according to the recorded pedigree of Alaska, these two are parents of that variety, which is to be sent out this year. Some raisers of seedlings would not use varieties so closely related as these two appear to be for seedling raising purposes.

One of the most popular varieties that we have is Wm. Scott. This is the one that all seedling raisers were looking for to supersede Grace Wilder. Under artificial light it is a beautiful variety. It is popular with the flower buyers and the retailers, and also with the growers. If Mr. Dorner had not done anything else except to raise Wm. Scott, he has earned the gratitude of every carnation grower in the country.

There may be some among you who have not heard of a variety by the name of Seagull. It was a novelty raised by Fred. Dorner and owned by E. G. Hill & Co. It was brought on to New York on one occasion to compete for a silver trophy, and it was awarded the prize, winning it after a very hard race over Lizzie McGowan. There were others competing, but Lizzie McGowan and Seagull were the last two in the home stretch, the others being distanced early; I forget now how many there were in competition, something like twenty-five or thirty varieties, I am sure. But Seagull has hardly been heard of since. If I mistake not, a catalogue man bought it as being suitable for his trade. It was decided that the variety was of no value to the grower of cut flowers; not being sufficiently free. This goes to prove that the winners of trophies are not always the best varieties; but Seagull at that exhibition was certainly the best flower of the whole lot. Lizzie McGowan had been groomed and trained in great shape for this race, paper collars were arranged about the blooms while growing, and the petals stood out straight. We do not see Lizzie McGowan in that form to-day, because nobody goes to the trouble to train her for exhibition purposes.

Mrs. Henry M. Stanley is a sport from Buttercup. It is very distinct from its parent. The coloring is more of a fawn and scarlet than is the old variety, and the flecks or markings are larger; and one very distinguishing characteristic is that the Mrs. Stanley is fragrant, whereas Buttercup is not.

It has always been a surprise to me that Starlight was never grown more plentifully than it is. It is a sport from Hinze's White. It is a delicate shade of yellow, and I have never yet seen any streaks of pink, which are so characteristic in the coloring of the parent variety. I am also inclined to think that Starlight is an earlier and a freer bloomer than Hinze's White; but perhaps the flowers of the former are scarcely as large as are those of the latter.

Everybody has heard of the winner of the Gold Medal at Indianapolis last year. The Stuart carried off that coveted prize. The flowers exhibited on that occasion were certainly fine. They were bright in color, of good size, and on stout and erect stems; but very few of us have been able to duplicate that vase as exhibited by the originator. I tried a few of this variety under glass all summer, and what few flowers I am cutting now are equally

as good as those which took the medal at Indianapolis last year; but it is scarcely a free enough bloomer to make it profitable the way I grow it. However, it will be given another trial.

Sweetbrier, a novelty of last year, has not given very general satisfaction. It, however, I think, will be given another trial by most carnation growers on account of its delicate coloring.

Tidal Wave was the successor to Century. It is similar in color to the old La Purite. It is a great favorite in the west.

I tried Uncle John under two methods of treatment, the one hatch have been thrown out long ago as worthless, being affected with bacteria so much that there was no profit in it, as the flowers were so poor. The batch that I planted under glass all summer have produced some excellent flowers, and I shall continue to grow it under that plan on a much larger scale next year.

White Dove is an improvement on old Degraw, and I find it very useful, as being a free bloomer, though the stems are not as stout as they ought to be. The flower is prettily fringed and very fine in form.

Thomas Cartledge in its line of color, one difficult to describe, but similar though darker than La Purite, I think, is one of the most free blooming in cultivation. It is one of Edward Swayne's productions in his early efforts at raising seedlings.

Annie Pixley is of beautiful form, and a very delicate pink in color, but it is hardly free enough in blooming, nor is it large enough in size.

Carnation Notes.

The address of President Dailedouze at the convention was full of excellent suggestions, which if adopted by carnation growers and disseminators would be greatly to the advantage of the trade in general. One feature that attracted my attention more than all the rest touched upon a phase of carnation culture wherein I had failed to obtain satisfactory results, that is the growing of the plants inside all summer. Mr. Dailedouze is of the opinion that inferior sorts, those unworthy of dissemination, even very poor varieties, can be made to produce very fine flowers if grown inside during the summer, and for that reason a distinction (as I understand it) should be made between those grown inside and those grown outside, unless the former should have been sent (as suggested at the meetings) to different sections of the country for trial before being placed upon the market. I agree with the president in so far as seedlings are concerned, for no seedling should receive a certificate that is not going to succeed in a majority of localities, and rules governing this point should certainly be adopted before the next convention. If the statement of Mr. Dailedouze is based on actual experience, and it has been proven that comparatively poor sorts will thrive and become remunerative when grown wholly under glass, then must we admit that a change in the culture of carnations is bound to come, and that as in the case of the rose and "mum" field culture is in the near future to be done away with. The Buttercups shown at Boston demonstrated fully the fact this sort is much better grown inside. There are a number of other sorts which make roots similar to Buttercup, and which receive so great a check when lifted from the field for planting inside, that many of the plants die, and the balance produce but poor results until late in the winter. Possibly this is the reason why Albertini and The Stuart have failed with most of us. Would it not be well to give

them a trial inside during the summer? I grew Albertini one season inside and failed, but that is no reason why others should also fail, and if this sort can be made to produce flowers early in the fall it would be a very profitable sort to grow. It seems to me that a test of this matter (inside culture) should be thoroughly made by every grower to fully bring out the facts. Mr. Lonsdale has proven that an old variety which many have discarded can be well grown in the manner stated. Many prominent growers have asserted that certain varieties have lost their vitality and are no longer fit to grow; possibly this is a mistake. If one old sort can be rejuvenated why not others.

I do not think that any discrimination should be made in awarding prizes to any class but seedlings, for the reason that if a grower is smart enough to take an old sort and by a higher cultivation produce flowers that will outshine new and supposed better sorts he should receive not only the prize offered, but he is also entitled to a special mention of what he has been capable of doing. Many a man has been obliged to give up growing carnations simply because he had no fields to grow his plants in; if he was aware of the success obtained by several growers during the past season with inside culture he would be able to go at it again. It is possible that the advantage of inside growing may be confined to such habits of growth as that of Buttercup; this point can only be demonstrated by a general test all over the country. The quicker growing sorts, such as Scott and Daybreak, may not thrive as well inside, but I will state here that I had a magnificent growth on Scott when I grew it inside; the only trouble was the blooms came late. Some claim that Daybreak will be troubled with red spider if grown inside; this is a mistake, for during the summer you can get all the moisture you want inside. Can you get the same results outside? I guess not. The greatest drawback to this new method is that good flowers bring fair prices until late in June, and to get the best results the benches should be replanted in early June. I have stated several times that I would not advise inside growing, and mainly for the drawback stated; if I have made a mistake I am more than willing to be corrected, and will be one of the first to adopt methods which others have proved or may prove better than mine.

CHARLES H. ALLEN.

Miscellaneous Seasonable Hints.

It is time now to start your big lot of cannas. You can cut the roots up into small pieces, being sure that you have one eye or lead to each piece. You need not pot them right off, but can put them in flats with 3 or 4 inches of soil, or on the bench in a few inches of soil. If in flats place the flats on the pipes where the heat is not too fierce; if on the benches pipes should be beneath it, and they will start much quicker. Sand is just as good and better than soil for starting them. By this means you save a great deal of room, which is now very valuable. When they have grown 5 or 6 inches and are well rooted they can be put into the pots in which they are sold, a 4 or 5-inch. Caladium esculentum does not want to be started yet; the end of the month will do for that, but the same treatment is the most economical way to start them. They will, if put into pots in soil and stood on an ordinary bench, remain sometimes for weeks without



COSTA RICA. CACTUS ON A ROOF.

starting, but in warm sand they jump at once.

You are sure to be very crowded now with Easter stuff, and will get very little relief before the 14th of April. Yet you must be propagating, and lose no chance to increase your stock of coleus, achyranthes, heliotrope, and many other bedding plants that will be wanted in May. About the middle of the month be prepared to sow asters, Phlox Drummondii, ten week stocks, and other annuals for summer flowering. You always want some *Cobaea scandens* for a cheap summer climber. Sow it within a week or two. You can raise *Ampelopsis Veitchii* quite as easily from seed as from cuttings. Seed sown now or even a month later will make the best of plants for planting next September. There will always be a demand for this beautiful hardy plant, for although almost overdone in some cities, notably Boston, in many smaller cities it is little known. Tree peddlers sell it to your customers for \$1 each. There is lots of money in it for the florist at one-third the price.

Mignonette should now be sown for spring sales; it is a difficult plant to transplant, and is best sown a few seeds in a 2-inch pot, and when up thin out to one, two, or three plants as you wish. In April they can be shifted into a 3 or 4-inch pot, and there is no place like a mild hotbed for growing them.

What is uppermost in the mind of most florists just at the present time is how to get his Easter crops in at the right time. Easter Sunday is the 14th of April, about three weeks later than last year. Many things have to be taken into consideration in timing your crops for this important occasion. The two weeks we will have in April this year will very probably be worth four weeks of March in bringing many things into flower. Particularly is this the case with bulbous stuff, which is an important item at Easter time. The winter has been very severe, freezing down through the ordinary covering of litter and soil with which the bulbs have been covered, and keeping them in a perfectly

dormant state. I remember well about 9 or 10 years ago that Easter came as late as the 24th of April. The tulips and other bulbs were almost ready to flower when taken from the beds about April 1, and I had great difficulty in keeping them back till they were wanted. The next year Easter was three weeks earlier, and only allowed about 16 days from outside to time of flowering; the consequence was I was about three days behind time. Since that I have learned to consider the season and reason accordingly. This year I would say allow from 21 to 24 days for the single tulips, a few days more for the early double tulips, and a few days less for daffodils. If you have them in the houses thawed out 21 days before Easter you will have them under control. It is not desirable to use much heat in forcing tulips, etc., at this date, and three weeks will bring them along very naturally in a night temperature of 55°. Dutch hyacinths, if they have been kept from growing by frost, will come along nicely in three weeks. If they have been kept from freezing they will have made progress towards flowering, and should only be brought into the greenhouse two weeks before Easter. Of late years the Dutch hyacinth has been an important plant at Easter, cheap but in great demand. You can use more than one device in forwarding or retarding your Easter crop of bulbs. Plenty of heat will quickly advance them if you are late, and if too early place the flats under the cooler benches. Direct sunlight adds quickly to their age. Don't get late with your Easter crop of valley; it will keep cut a week should you be a little early. Therefore allow four weeks from time you put it in the boxes. Hydrangeas always want pushing along for Easter. Never let them suffer from dryness, and a dose of liquid manure twice a week will greatly benefit them, for these pots are now one mass of roots. Spiræas should now be showing their flowers above their foliage, and will come along in plenty of time in a night temperature of 50°. Perhaps this is an unprofitable plant; it most assuredly

takes up a great lot of room, but the public like it, and after all it's soon grown and gone. You must give it room; copious watering, and no tobacco smoke is all that is needed.

I remarked once this winter that lilac took about six weeks to force; that was when I gave it a night temperature of 65°. Six weeks will do with a less heat, because we are approaching its natural time of flowering; alas, this beautiful shrub is not as fashionable as it once was, but good hushy plants covered with flowers must sell, and they can now be bought prepared for forcing, and will force as easy as a deutzia. I am a little late reminding you of this, but five weeks in a good rose house temperature will get them all right.

Cytisus is inclined to be a little early for Easter this year, and is showing its bright yellow flowers. It will stand anything but a freeze, so you can manage perhaps to keep it very cool to within two weeks of Easter. Of late years the azaleas have cut a big figure at Easter. An azalea that will sell for \$2 to-day will easily sell for \$3 on Easter week, and larger plants at the same ratio. Unless kept in a frame where heat can be turned on when actually necessary just to keep out the frost, it is hard work to keep some of the best varieties back for Easter. And nearly all varieties will want a very cool house. The queen of azaleas, Mme. Van der Cruyssen, all things considered, will be about right, while the beautiful variegated blush pink and white *Vervæneana* is too early. Never mind the variety; you can judge for yourself by the condition of the buds whether they will be too early or not. Remember the azalea will thrive at least for a time in a temperature just above the freezing point. You may have a cold frame sufficiently protected that no frost would enter; that would do, or you could do as I have done, put them under a cool light bench. It will make just sufficient difference to their time of flowering that you will get them in when everybody wants them. I have often before recommended this use of the space beneath the bench, and will say now that if the bench is not too low and a fair amount of light gets there an azalea will thrive as well there for a few weeks as it would on top of the bench, especially in a cool house. The azalea is a truly hard-wooded plant, and the above treatment will not hurt it in the least, while a soft wooded plant such as geranium, cineraria or primula would be simply ruined in a few days under such conditions.

And now we come to the most important plant of all the Easter trade, the *Lilium longiflorum* and *Harrisii*. Many are just in the quandary that the writer is and not sure about anything in particular. It very largely depends on the weather. I would like to see the buds (at the time you see these notes) showing themselves distinctly, and each bud about an inch long, or the largest of the group that size; then I would be sure that whatever weather came I would have them under control. If you want all your lilies to be in sight at Easter you can do it, providing you have houses of different degrees of heat, but it will be at the expense of lots of moving, and don't think that incessant moving is too much labor, for you will get twice the money for the plant at Easter that you will two days after.

WM. SCOTT.

Vegetation in Costa Rica.

We present in this issue a number of interesting views of plant life in Costa Rica from photographs kindly supplied us by

Mr. W. N. Rudd of Mt. Greenwood, Ill., who has a relative living in that Central American republic. The pictures tell their own story of vegetable life in that tropical region.

A Flatbush Incident.

"Are you going to Flatbush Thursday afternoon?"

"What's going on?"

"Bowling. New York and Flatbush. The Flatbush boys have invited us over to Bantle's alleys. You'd better come along; we'll have a good time."

"Guess I'll go with you." And they went and they did have a good time.

The New Yorkers got there first and indulged in a little practice game to get the "lay" of the alleys. There were Keppler, the great spare maker, Leuly, who always carries his own special ball with him, Burns, who can tell everybody else how to do it, Dihm, the human foghorn, Wullie Elliott who came "just to look on, you know," Happy Hafner and several others of equal renown. About five o'clock the Flatbush aggregation trooped in and after a few minutes of social intercourse the teams were chalked up and the pins began to fly. And when they had concluded, this was the score:

NEW YORK.	FLATBUSH.	
Keppler 181	Mellis 180	
Roehrs 155	Bennett 156	
Dihm 132	Dailedouze, P. 104	
Stewart 94	Riley 159	
Hafner 152	Dailedouze, H. 99	
Plumb 116	Shaw 121	
Storm 113	Zeller, A. 166	
Burns 145	Dailedouze, E. 134	
Leuly 133	Keller 100	
1221	1219	

The score was tied at the end of the eighth frame and from that time excitement ran high until it was finally announced that New York had won by two pins, whereupon Flatbush gave cheer upon cheer for the victors, who in turn responded with equal enthusiasm, and it was pronounced the hottest game on record.

Supper was the next thing in order and soon the company was seated at a well laden table, the New Yorkers on one side, their hosts on the other, and at the head, Flatbush's honored president Charles Zeller, who said "I am always glad when I see a long family before me, for I have always been used to it," and extended a kindly welcome to the visitors, complimenting the fraternal feeling which found expression in such gatherings, without which a man might as well be in the deserts of Africa. Alex Burns responded on behalf of the guests, paying a high compliment to the Flatbush florists, whom he had known for twenty-five years, and the longer he knew them the better he liked them. J. Austin Shaw being then called upon for his customary contribution proceeded to read the following original verses:

I dreamt a funny dream the other night;
'Twas Thursday night, when I came home from
bowling.
Perchance 'twas caused by merry balls a rolling,
Or possibly a gaunt and ghostly sprite,
Or goblin grim, that o'er my bedroom hovered;
Or was it the effect of banquet rich?
Of salad, ham, tongue, beer and milk, and "sich"
That all my senses 'thrilled, my eyelids covered?
I cannot tell; but this I know full well,
I slept and dreamed the live-long night away.
I really thought I'd left this earth to stay.
Transported was I sure, to Heaven or—well;
Which country 'twas I leave you to decide
After I've told you all my wondrous story,
And taken you with me for a pleasure ride
Adown the fragrant, verdant streets of glory.

It seemed, at least one hundred years from now:
When these tired bones of ours had turned to soil

We'd laid aside the shovel, hoe and plough,
And rested all, from every kind of toil.
No longer sat we up through dreary night
To feed the greedy furnaces with coal;
No hail, no cyclones did we have to fight,
No yearly reckonings found us, "in a hole."
I asked the man called Peter, at the gate!
When I arrived up yonder, somewhat late,
If he would kindly, quickly lead the way,
To where the Flatbush florist bowlers stay.
At once with plumed wings, and willing feet,
We ran and flew adown the golden street,
And in the suburbs, where the flowers bloom,
And where, he said, "there's always lots of room,"
There, in the very work they loved the best,
Up in the region of eternal rest,
I found them all, from Papa Zeller down,
Endeavoring, as on earth to "paint the town;"
By this of course, I mean to beautify
Their well won heritage up in the sky!

"Peter," said I, "whose lovely spot is this?
"What splendid trees, and vines, and pansies rare,
"And oranges for all, and some to spare;
"This family must be having lots of bliss!"
"Ah yes!" he said, "this is Pop Zeller's place;
"You'll know him by his gentle, patient face,
"And that that thin angel there's his good boy
"Alf."
"The fat one is Emile, too fat, by half.
"We're trying to melt him down, so he *can fly*.
"I fear we'll have to send him *down* to fry.
"What brilliant farm is this?" said I to Pete,
As we flew over miles and miles of bloom
All planted out by rule, so straight and neat,
"These fellows surely asked for lots of room!"
"Yes," Peter said, "those cusses *are* ambitious;
"They kicked because we couldn't give 'em *all*.
"I thought at first they acted rather vicious,
"But still, you see the plat they've got 's not
"small."
"And then they grow splendid looking 'mums,'
"Such lengthy mignonette, and heavenly Beauties,
"And when they are around, all business hums,
"And they attend so strictly to their duties,
"That we concluded at our last big fair,
"Alter a good deal of deliberation,
"For flowers tremendous—large, and rich, and rare,
"The finest in all our heavenly nation;
"To give them twenty prizes, more or less,
"And after this we'll *manage* them I guess."
"As to their names, why ask, and what's the use?
"All heaven knows the brothers Dailedouze!"

Still further flew we, till aroma sweet,
Caused us to settle down, and at our feet,
Full fifty thousand, thousand, thousand pinks,
And fields on fields of lovely maidenhair,
Enough to make a bachelor angel swear;
And cinerarias, rarest grown, methinks,
Unfolded to our interested eyes,
And filled me full of wonder and surprise.
I knew at once George Bennett had been lucky,
He always was so jolly and so plucky.
"Well George," says I, "so here you are again;
How goes it?" "O!" said he, "I can't complain,
"You see I've got new houses here, old soul,
"And it doesn't cost me anything for coal."

The next place where we lit just made me holler,
The violets! larger than our silver dollar!
And nothing else but violets, everywhere,
Enough to make an angel stop and stare!
"Holloa there, Uncle," Peter shouted loud,
"Raise up thy head and rest thee for awhile,"
But Julius answered with his gentle smile
"No Peter! two is company, three's a crowd."
"I'd rather work right on till time for dinner
"Unless that is a female angel, Peter,
"And if so, I'd leave heaven itself to greet her,
"Even if I had to suffer like a sinner."
"I always was on earth, so fond of ladies,
"I often wonder why I'm not in Hades;
"Where's Herman?" Said I to my ghostly guide
"O! he's gone to the city: 'on the sly."
"A million violets for some angel bride
"He must deliver to her! She is 'fly!"
"No telling when he will get back; that Herman,
"Especially, if that woman is a German."
"What do you folks, in heaven think," said I,
"Of these two daisies," Peter did reply:
"Well stranger," said he, "we hope they are all
right,
"And we know their violets are out of sight,"

"I see a Scotchman yonder, Peter dear,
"Who looks familiar, isn't that our Dave,
"Braw Davy Mellis? Lived he near a grave
"Yard, where ghosts oft times did appear?
"I knew him well! He grew such coleus rare,
"Excelled by none, and equalled but by few,
"Now that you have no grave yards anywhere
"What do you find for honest Dave to do?"
"Hey mon! hoo' are ye noo, and how d'ye feel?"
And Dave gave me the same old vigorous clasp
Of good right-hand, and said, "how can ye ask?"
And quick responded—"O! I'm vera weel!"
I found in talking over good old days,
That David's work was laying out the borders
Of all the streets up yonder; and it pays,
For he declares he's "over run with orders."

"Have you a lively handsome youngster handy?
"A lad called Keller, always drest so neat?"
Said Peter, "I should say so! He's a dandy,
"But he can never get enough to eat."
"There sits he neath that Aren Luise's;
"He and his father grew great palms down yonder,
"Their duty 'tis to give the angel's bossons,
"In cultivating palms. (We made no blunder)."

We flew for miles, and great was my surprise
And glorious was the scene for gods or men.
When suddenly, upon my ravished eyes
Burst oceans vast of mammoth cyclamen.
"Ho! Ho!" said I, "No no need for information,
"I know Gus Bergmann can't be far away
"This surely must be that old bachelor's station,
"And from the looks of things, he's here to stay."
No end could I perceive, no east nor west,
To Gussie's favorite flower on Mother Earth.
Of cyclamen he always grew the best,
He's got this job because of sterling worth.

A fitting end to my long voyage now,
Good Peter promised as we journeyed on,
I cannot tell you just exactly how
But almost while he spake there burst upon
My raptured visiou temples vast and grand,
"The finest," Peter said, "in all the land."
Filled to the doors with a bright angel crowd
And from their open portals, sweet and loud
There floated music such as mortal ear,
From noted songstresses will never hear,
"What think you is the tune the organist plays,
"None other than the dear old Marsaillaise;
"And who, the grand melodious solo sang?
"Twas brother Smutz! And how the rafters rang;
"Bon jour! Monsieur, Comment vous portez
vous?"

I flew around and whispered in his ear,
"Mon Dieu! ha! ha! tres bien! And is it you?
Let's go at once my boy and have swei beer."
"I've three old friends of yours down stairs,"
said he,
"They're practicing before they join their choir"
"And from the way they sing," he said with glee,
"I'll be some time before they go up higher."
No private grounds were good enough in heaven
For these experts; and they insist on singing,
And so the "Judge," Pete Hiltman and the tough
And brave Heit-Muller keep the arches ringing.
Just listen to the song these angels trill,
This lovely, heavenly trio, fat and wily;
Of it already you have had your fill,
That old familiar, "Hand it over to Riley."
"Oh! by the by!" said Louis, "won't you stay,
"We have a bowling contest here to-night
"You'll see the New York florist bowlers play,
"And we intend to beat them out of sight."

Just there, alas; and strange though it may seem
My vision ended, Lo! 'twas but a dream.

After the merriment over these verses
had subsided Mr. Plumb being called
upon sang the affecting story of the dis-
appearance of his grandmother's cat,
"the pride of the tiles," Mr. Stuart con-
tributed Annie Laurie, Louis Schmutz
regaled the company with a story, and
the climax was capped by the presenta-
tion to Messrs. Keppler and Mellis of two
enormous baked potatoes for having
made the highest scores, after which ad-
journment was made to the alleys once
more. The feature of the game that fol-
lowed was Mr. Leuly's successful strug-
gle to beat Mr. Keppler's record of 181 in
competition for the cigar holder which
Mr. Shaw had offered for the highest
score, and which Mr. Leuly won with a
score of 190. New York's lead in this
game was 173, but out of regard for the
feelings of the six gentlemen who failed to
reach the 100 mark the full record of
this game is consigned to oblivion. Come
again.

Boston.

The first ladies' night of the Gardeners'
and Florists' Club was a pronounced suc-
cess. The attendance was good and all
were delighted with the entertaining ad-
dress of Mr. Grove P. Rawson and the
musical program provided by Miss Min-
nie and Mr. Chas. J. Dawson.

Mr. Rawson's lecture was a witty and
at times mildly satirical review of his
experiences in the cut flower trade for the
past twenty years. His description of
the lady customer's tribulations with her
house plants, and the florist's tribu-
lations with the lady, was very funny and
undoubtedly true to life. He excited the
risibility of his audience when he asserted
that a florist who takes in such plants to
board and recuperate turns his place into
a sanitarium worse than any jag cure.
He "roasted" the department stores, the
crape pullers, the church fair and charity
festival fiends, the traveling nursery

agents and the commission men, offsetting the latter, however, with a compensating attack on the weaknesses of the retailer and grower from the commission man's point of view. The smell of the manure on violets, of tobacco on carnations and the live stock frequently sent in on the rose buds were enumerated among the many annoying things which the retailer has to contend with, and on the other hand the retailer's besetting sin was his indisposition to pay bills. The various phases of the business touched upon were well illustrated by witty anecdotes and dialect stories, and punctuated with short pithy maxims and precepts which indicated that the speaker had been keeping up quite a thinking during his twenty years of working. After the close of the lecture the musical entertainment was in order. Miss Dawson and Mr. Dawson were assisted by the Withington Bros. and Mr. Edwin Rich, who contributed vocal selections, and Mr. Dawson performed mandolin solos. Everything was good and encores were the rule. The ladies want to come again.

At the regular monthly meeting of the Massachusetts Horticultural Society held on Saturday, March 2, it was announced that a plan was on foot to have placed on the bank of Jamaica Pond, which is now a portion of the public parks, a memorial to the late Francis Parkman, the historian, a former president of the society. The lecture at this meeting was by David H. Coolidge, Jr., the subject being "A talk on gardens." He traced the development of landscape gardening from the time of the gardens of Babylon and of the Roman kings in the sixth century, B. C., and gave an interesting account of the beauties of ancient and modern, private and public parks in many lands. Concerning the desirability of paying more attention to the beautifying of home surroundings he spoke as follows:

"But parks are only a small part of our country, and their beauty alone can do little to make our great continent attractive or pleasant. The private homes, with large or small grounds, alone have the power to make our country beautiful as a whole; and it is to their owners that we must look for that development of taste which can produce general good effects. Nor is this an æsthetic question only. It is of great importance to the nation, for beauty and attractiveness in the home continually appeal to a man's better nature and keep him at home, where he finds the most genuine happiness. They sweeten his domestic life, they strengthen his character. I remember walking along a modest street in Liverpool, toward the close of a June day, when workmen were returning home from their daily toil. The street was lined with small houses, set back a little from the street, leaving a small area or garden in front. I was attracted to one for the reason that I could not look into it. An irregular screen of flowering shrubs grew just inside the fence and along the curved path so I could not see the house. My curiosity made me a trespasser. Within the garden I saw a perfect picture of happy domestic life, sustained on modest means. The house was placed on one side of the lot, thus leaving all available space possible for a lawn. A gracefully curving path led from the street to the front door, and between the path and boundary was a plantation of flowering shrubs; the rest of the ground was simply lawn, framed with masses of shrubs, having perennials blooming on the inner margin of the shrub beds. A few ornamental trees shaded the path and desirable parts of the lawn. The

house was of brick, the usual baldness being relieved by clinging vines. A tiny conservatory was upon the south side of the house, its open windows filled with flowers, among which the canary was singing. On the lawn a man, who had just left his lawn-mower, was sitting down to supper with his family. A feeling of contentment prevailed as pleasing to the mind as was the fragrant bloom to smell and sight.

"Large places are not liable to be neglected. What we need is to have the almost universal small places made useful and attractive by true art. No place with a few feet of ground is too small to be improved and made to exert a pleasure giving and refining influence. Too often we see a house in the center of a lot, with neither tree, shrub, vine nor other plant to indicate that the house and grounds do not belong to the highway. Good taste is not a difficult matter to acquire. Truth and simplicity are its foundation, but it does require a little common sense. Places are laid out with a view to their use and enjoyment."

Cut flower trade is fully up to the average for the first week in Lent. White flowers are in brisk demand, and at times there is a call for white carnations, which is filled with difficulty. Carnations continue to sell at good figures, nothing under \$2.50 and \$3 per hundred being obtainable. Good white roses bring all the way from \$8 to \$12 per hundred. Red roses feel the effect of the influx of a large quantity of Jacobs. These latter sell at \$6 to \$8, and many Brunners are disposed of at correspondingly low figures, although a certain proportion of extra specimens bring as high as \$25. Bulbous stock goes but poorly; daffodils, which have heretofore been good sellers, are hanging fire just as badly as the tulips this season, and the prices at which they are sold leave no margin for profit over the cost of the bulbs. The Dutchmen are here, however, in full force, and profess to have heard nothing drop as yet.

N. F. McCarthy & Co. have about completed the fitting up of their new establishment at 84 Hawley street, and are moving in this week. The facilities for conducting a large cut flower and supply trade in connection with the plant auction business are of the best. The main floor is 125x50, lighted with large windows on the front and the whole length of one side, and the basement is even larger, with well adapted vaults for the storage of cut flowers. Mr. McCarthy is to be congratulated on his energy and his good fortune in obtaining so fine a location.

Mr. John D. Twombly of Winchester has lost his son, a bright and popular young man of 18 years, who was taken away by pneumonia after a brief illness. Much sympathy is felt for Mr. Twombly by his associates in the trade.

Jackson Dawson reads a paper on grafting and budding before the Mass. Horticultural Society on Saturday, March 9.

Philadelphia.

Butler of Chestnut Hill astonished the boys with his fine Brunners the past week; they were quite up to date and a credit to the grower, the more so as it was his first attempt at growing hybrids. Since Lent set in business has been moving along quite lively; there seems to be demand for all good stock at fair prices. Good Brunners still bring \$6 per dozen, with the seconds a matter of a dollar or so below the asking price of \$3, according

to the skill of the buyer. All the large teas are selling for \$8 first choice, seconds \$4 to \$6; a few extras bring \$10 to \$12, but they have to be very fine. Beauties are not so good, and the best now bring \$5 per dozen; the majority, however, bring much less.

Bulbous stock is very plentiful. Valley is down; the best, and it is very good, brings but \$3. Harris, Craig and Penock of Lansdowne have fine stocks. Romans only are scarce, and good flowers would sell readily at \$4. Lukens of Burlington has very fine freesia, for which he gets \$3 per hundred. Carnations are plentiful, with signs of weakening. Good ordinary flowers, with few exceptions, have sold readily for \$2 since December 15, and extras \$2.50 to \$4, and it now looks as if \$1.50 for the \$2 kind would soon be the ruling price. Mignonne is quite plentiful at from \$1 to \$2. Violets are in full supply, too full in fact, and many are not sold; 50 cents to \$1, with a cut price by the thousand, is the figure. The last few days of warm or mild weather has begun to tell on the single varieties, and they won't last a great while longer.

The March meeting of the Florists' Club was held in the club room, the regular meeting room not being available. Pres. Lonsdale, who has frequently served as a judge at our exhibitions and elsewhere, is now doing duty as a jurymen. He was able to be present, however. There was a good attendance and much interest taken in the proceedings. Mr. J. N. May has kindly consented to prepare a paper to be read at the April meeting.

Aside from the able paper prepared and read by Mr. Michell on "Facts about florists' seeds" a resolution introduced to appoint a committee to receive and pass upon new, rare or interesting plants or flowers that might be sent to the meetings of the club caused the most discussion. It was mainly opposed by Mr. H. H. Battles, who thought the club would be liable to be used as an advertising medium, and that things might get the club's indorsement, which would eventually turn out to be worthless, and that the good name of the club would suffer thereby. Mr. Burton thought the club the proper place to have new things brought before the trade, and thought anything the club members would indorse would be worth growing; he would not be afraid of the judgment of the committee. The committee was finally appointed to take charge of and display anything that might be sent, but were not to pass judgment on the same. Anyone who has anything new or novel that they desire to bring before the florists of Philadelphia should send a small exhibit, express prepaid, to Robert Kift, 1725 Chestnut street, chairman of committee, and it will be acknowledged and placed before the meeting of the club. The meetings are held the first Tuesday evening of each month.

New York.

The Gould-Castellane wedding has been the leading event of the season, not only socially but from the extent and character of the floral decorations. One point worthy of note about the decorations as a whole was the almost entire absence of anything in the way of design work, graceful festooning and effective massing of flowers and foliage being depended upon almost exclusively. The top of the banisters of the staircase was covered with smilax so as to entirely obscure the woodwork, the sides were filled in with southern palm leaves dotted with Har-

risii lilies and Bridesmaid roses, with bow-knots of white ribbon appearing at intervals of four feet, the newel posts were banked with long needle pines filled in with roses and tied with white satin ribbon, and the red wall to the right of the railing was screened with wild smilax, which produced a beautiful effect. The entrance to the music room was through an archway covered with *Asparagus plumosus* and smilax filled in with callas, and the room itself was decorated and festooned with *Asparagus plumosus*, from which were suspended American Beauty roses finished with ribbons of corresponding color.

From the music room to the altar in the Moorish room where the marriage ceremony was performed ran an aisle formed of imitation rose trees about four feet high, at intervals of six feet, connected by loops of six-inch satin ribbon. These rose trees were made of Bride roses set in celluloid baskets. The fireplace in the Moorish room was banked with lily of the valley, cattleyas, *cœlogyne*, *phalænopsis*, *Odontoglossum crispum* and *Adiantum cuneatum*. The chandelier in the small alcove off this room was draped with valley and asparagus, and the room itself was festooned with asparagus and Bride roses. The archways leading from the Moorish room into the reception room at the left of the hall were draped with smilax and asparagus, dotted with Bridesmaid roses. The ceiling of the main hall for the entire length was screened with wild smilax and asparagus, from which depended Bride roses, and the walls were similarly draped with asparagus and Bermuda lilies. At the far end of the hall was a group interspersed with genistas, white azaleas and pink rhododendrons, forming a magnificent background. At the foot of the stairway the orchestra was screened from view by a group of large palms fringed with Bridesmaid roses. In the dome over the stairway hung a large chandelier from which depended garlands of asparagus dotted with Bride roses; these garlands were thirty feet long, and were carried from the dome right through, forming one continuous canopy from the library to the altar. The foregoing was the work of Alexander McConnell of 5th avenue. The decorations on the walls were all attached to wire frames filled with moss, thus giving full opportunity to work without the danger of injury to the walls themselves. It took a large force of assistants to accomplish the work, which was artistically executed throughout and superb in every way. From the Jay Gould greenhouses at Irvington, N. Y., the head gardener, F. Mangold, sent two flat baskets of mixed orchids and two of anthuriums and lily of the valley, the latter edged with Marie Louise violets.

R. L. Cottonet had the decoration of the dining room, which consisted of drapery of wild smilax thickly interspersed with Bridesmaid roses. The table decorations were executed by Siebrecht & Wadley. There were sixteen tables for the guests, each with a centerpiece of cattleyas and *Adiantum cuneatum*. The decoration of the bride's table was in the shape of the fleur de lis, outlined with *Adiantum Farleyense*, *Phalænopsis Schroderiana*, *Calanthe Turneri* and *Calanthe Regneri*. The top of the fleur de lis was composed of a groundwork of the new *Adiantum Capillus-Veneris imbricatum*, filled in with *Odontoglossum crispum* and *Cœlogyne cristata*, lighted up with miniature electric lights of two candle power. This was one of the most, if not the most elaborate table decoration

ever made in New York. The bride's bouquet, which was made by Mr. Cottonet, was composed of orange blossoms and lily of the valley; those for two of the bridesmaids were of lily of the valley and Testout roses, and two of lily of the valley and La France. The number of flowers used was in round numbers, 3,500 *Harrisii* lilies, 9,000 lily of the valley, 8,000 roses of different varieties, 200 callas, 1,200 yards of asparagus and smilax, besides wild smilax, palms, palm leaves and other decorative stock. The reporters for the daily newspapers were not satisfied, however, with this amount and took the customary liberties with the figures, it appearing from one brilliant account that the whole country from Boston on the east to Cleveland on the west had been drawn upon for every rose obtainable, and that even then the florist was in despair because he could not obtain all he needed.

W. H. Siebrecht estimates his loss from the effects of gas leaking into his greenhouses at over \$5,000. The loss does not stop with the Christmas crops of valley, etc., which were destroyed at the time the trouble first made its appearance, for although the leaky pipe from which the gas was found to come has been removed, he finds it still impossible to grow anything in the three affected houses, and has been obliged to abandon them for this season. The question of damages has not yet been adjusted with the gas company.

It is predicted by the supply men that the stock of Cape flowers will run short in this country the coming spring, owing to cautious buying on the part of American dealers.

Pitche & Manda have a new geranium, a sport from Madame Salleroi, which is a great improvement on that well known variety in habit and leaf. It has been named Jas. R. Pitche.

Palm growers about here report *Kentia Belmoreana* scarcer than for many years. The cut flower trade is in a state of partial collapse at present.

Mr. J. M. Keller of Bay Ridge has been confined to his room for a week with a sprained ankle.

Mr. A. V. Van Zanten, of Van Zanten & Co., Hillegom, Holland, arrived March 2, on a business trip through the U. S.

Montreal.

According to the usual custom here the owners of the principal conservatories in the city and environs invite the members of the Horticultural Society and their friends on certain days during the winter to visit their greenhouses. Your correspondent had the pleasure of visiting three places on February 23. The first was that of W. W. Ogilvie Esq., where Mr. John Walshe is gardener. A very good collection of plants is seen here, some fine specimens of palms and tree ferns, also some large pots of *Adiantum cuneatum*, *gracillimum* and others, a specimen of *Ficus variegata* eight and one-half feet high, a large *Medinilla magnifica* loaded with flowers, a great variety of anthuriums and various other choice species and varieties of foliage and blooming plants. There is also a nice collection of orchids, azaleas, camellias, deutzias, cannas, genistas, cinerarias, and a large quantity of bulbous stuff of very good quality; altogether the conservatory presented a very bright appearance, reflecting much credit on the gardener in charge. The conservatories of R. B. Angus, Esq., where Mr. Wm. Wilshire is gardener, was next visited. A very valuable collection of plants is seen here contained in two con-

servatories some 50 feet apart, and connected by an elaborate tiled subterranean passage. The collection of palms and ferns is truly grand. There are also a few good orchids; several anthuriums, some in bloom, some fine crotons and other rare foliage plants. We also noticed a large lot of hybrid *calceolarias* of very large size, which promise to make a fine show when in bloom. Andrew Allan's place, Jules Betrix, gardener, was next visited, but as it was getting late we could only spare time to pass through the immense string of conservatories and greenhouses to be found on this place. Everything looked fine in the conservatories; in the stove house some grand crotons were seen, also some of the best specimens of *Adiantum Farleyense* to be found in this city. In the greenhouse we noticed a fine bench of roses. Mushrooms are very successfully grown on this place.

A party of gardeners and florists to the number of thirty took a day's outing February 26. A sleigh holding the entire party, drawn by four horses started for Dorval at 10:30. The first halt was made at Colin Campbell's place near Lachine. Everything here looked fine, there are 13 or 14 houses filled with the various flowers and plants required for Mr. Campbell's store on Beaver Hall. Joseph Bennett's place at Lachine was next visited. There are two long houses of the healthiest and most prolific roses it has been our pleasure to see this winter, also a bench of perfectly healthy violets full of bloom. A large bench of sweet peas was also noticed. Several thousand young roses in the sand and potted off were in prime condition.

At Hanna's Hotel where lunch was waiting us an hour was spent, after which we headed for that gardener's Mecca, the greenhouses of the Forest and Stream Club, where our genial friend Tom McHugh rules supreme. As usual the conservatory was resplendent with bloom and such bloom! Almost everything that can be bloomed at this season is represented, and each plant a specimen of its kind, we will only make special mention of a plant of *Streptosolen Jamesonii* which is certainly the finest plant of the kind we have ever seen. The new seedling yellow canna grown by McKenna & Son is seen here to good advantage. Although Tom would have liked to keep the whole party all night we had to tear ourselves away after about an hour, turning again for the city. A short call was made on Charley Smith at Dawes' place at Lachine, where a magnificent display of good flowers is always to be seen. A start was at last made for home, the party arriving in the city at seven o'clock after a very pleasant day's outing. BEAVER.

FITCHBURG, MASS.—Mr. Geo. B. Andrews, a prominent fruit grower of this city, met with a shocking death March 5 in a saw mill by his coat catching the saw and instantly severing one arm and leg and cutting him in a terrible manner, causing instant death. He was a member of the Mass. Hort. Society and one of the most successful growers of grapes in the state, receiving many first prizes, and a special prize of \$45 for the successful cultivation of palms, and the same amount for Delaware grapes by the society at the fall exhibit. He was president of Worcester North Agricultural Society and a member of several orders, was 46 years of age and leaves a wife and two children, a son 21 and a daughter of 11 years.

SCHENECTADY, N. Y.—Mr. J. E. Felt-housen is very sick with typhoid pneumonia.

PANSIES.

The Jennings Strain of Large Flowering and Fancy Pansies, field-grown, nice stocky little plants—cold frame size.

THE FINEST STRAIN is what every florist wants. I think you will find mine as good as the best. Stock carried in cold frames, and orders filled any time. 100 by mail 60 cts.; 1000 by express \$5.00; 5000 \$20. Finest mixed seed of above Pansies, pkt., 2500 seeds, \$1; per oz. \$6. Yellow same price. Cash with order.

E. B. JENNINGS, Wholesale Pansy Grower,
Lock Box 254. SOUTHPORT, CONN.

Pansy Plants.

EXTRA FINE STRAIN.

75 cents per hundred; \$5.00 per thousand.

ESSEX HEIGHTS FLORAL CO.,
..... BELLEVILLE, N. J.

Rooted Cuttings of CARNATIONS, CHRYSANTHEMUMS, VERBENAS, COLEUS.

Our new Catalogue of rooted cuttings, Cannas, Geraniums, Roses, etc., now ready, and will be mailed on application.

EVENDEN BROS., Williamsport, Pa.

PLANTS.

Geraniums, 2 1/2 in., ready for 3/4. Heteranths, Tour Eiffel, Grand Chancellor, Mrs. A. Blanc, Wm. Pfiltzer, Mme. Lindsay, Athlete, Souv. de Mirande and Mme. A. Hume, \$3.00, our selection. 10 at 100 rates.

Rex Begonias, 2 1/2 in., \$5.00.

Heliotrope, 2 1/2 in., \$3.00.

Vinca Major and Harrison, 2 1/2 and 4 in., \$2.50 & \$5.00.

CASH WITH ORDER.

C. S. BATTIN, So. Charleston, O.

A. & F. RÖLKER, AUCTIONEERS OF Plants, Bulbs, Orchids, Etc.

106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send to their bids on cash basis only.

Mention American Florist.

FLOWER SEED FOR TRIAL.

Desiring every reader of the AM. FLORIST to test the choice quality of my improved strains of flower seed, I will send a trial package of each of the following 4 varieties for 10 cts.: Howard's Royal Splendor Verbena, Howard's Improved Lilliput Zinnia, Howard's Striped Petunia, Aster, Florist White, Comet, Paeony, etc., in Florists' Mixture. All High Grade Seeds of my own raising.

A. B. HOWARD,
Seed Grower and Florist, Beichertown, Mass.
Mention Am. Florist when ordering.

Carnations and Violets.

Well Rooted Cuttings and perfectly healthy; if they are not you can ship them back and have your money returned.

Per 100 Per 1000
LIZZIE MCGOWAN..... \$1.25 \$10.00
PORTIA..... \$1.25 10.00
LADY CAMPBELL VIOLETS, rooted runners..... 1.25 10.00

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free from rust and mildew, fine varieties, 80c. per 100, \$7 per 1000.

*Mums, Heliotropes, Fuchsias, 20c. per doz.; the best market varieties, \$1.25 per 100.

Coleus in varieties 75c. per 100.

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STROBILANTHES DYERIANUS. This is the most valuable novelty which has been introduced for years. For bedding is superior to the finest coleus. Withstands hot sun and dry weather better.

Spiraea "Anthony Waterer," flowers rich crimson. Lord Penzance's New Hybrid Sweet Briar. Felargoniums—All the finest European novelties.

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PAEONIES—A large collection of the finest in cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses, Clematis, etc. New and Standard Fruits, etc.

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New Catalogue (No. 4) containing over 1,000 Ornamental Cuts for Florist's use, such as envelopes, letter heads, bill-heads, cards, advers., floral designs, etc., at from 30c. and upwards. Price of Catalogue 25 cts. (deducted from \$1 order).

A. BLANC,
Engraver for Florists,
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Gardiner's Celebrated English

Mushroom Spawn.

Fresh and Reliable.

\$7 per 100 lbs.

Special price on larger quantities.

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ALL IN THE BEST VARIETIES.

ROSES, CARNATIONS, CHRYSANTHEMUMS, VERBENAS.

Rooted Cuttings and Plants. Send for price list.

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ROSES, GERANIUMS, BEGONIAS, MUMS, CARNATIONS, and

A complete general line of stock.

THE NATIONAL PLANT CO.,
Dayton, Ohio.

ROSE CUTTINGS.

Well Rooted of Per 1000

METEOR, 2 and 3 eyes, at..... \$18.00

Mermets, Brides, Perles, etc., at..... 15.00

2 1/2 in. Teas, at..... 25.00

Bridesmaids, at..... 30.00

We are specialists for Violet blooms, cuttings and clumps—Marie Louise and Lady Campbell.

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DAHLIAS.

W. W. WILMORE, Dahlia Specialist.

Bulbs, \$7.00 to \$10.00 per 100.

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ORCHIDS OUR SPECIALTY.

The Best and Largest Stock in the World.

New & Rare Foliage & Flowering Plants.

A grand selection for Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England.

FOR SALE.

NOVELTIES IN ORNAMENTALS AND FRUITS. These articles are still without names and have never been offered for sale.

Hugo Lilienthal, 31 New Union St., Rochester, N. Y.

Here is a Bargain in SWAINSONA.

We have reduced our former price on Rooted Cuttings of Swainsona, and can now sell them to you as cheap as any one else. Write for prices before the stock is sold.

WALTER R. CLIFFE,

Main and Johnson Streets,

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ROSES Strong, healthy plants from 2, 2 1/2 and 3 inch pots, \$3, \$4 and \$6 per 100. An.

Beauty, Bride, Mermets, Niphetos, Perle, Sunset, Wootton, Meteor, Albany, La France, Testout, Victoria, M. Niel, Bridesmaid, Watteville, The Queen, Mme. P. Guillot, S. d'un Ami, &c.

VERBENAS Good assortment clean, healthy plants from 2 inch pots, \$2.50 per 100, \$20 per 1000. Rooted Cuttings, 75c. per 100, \$7 per 1000.

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CARNATIONS Leading kinds from 2-inch pots, \$2.50 to \$5 per 100.

PELARGONIUMS Victor, Fred Dörner, plants from 2 and 3-inch pots, 75c. and \$1 per doz. TERMS CASH.

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Michel Plant and Bulb Co.,

WHOLESALE FLORISTS,

ST. LOUIS, MO.

W. A. MANDA,

MERCHANT, GROWER, IMPORTER & EXPORTER OF

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NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

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PINK AND WHITE ERICAS (Scotch Heather), in bloom now, fine plants.

\$1.00 each; \$10.00 per dozen.

Also 600 for Easter. Also all kinds of Easter plants in prime condition.

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Fine plants from 2 1/4-inch pots, \$4.00 per 100. No order for less than 50 desired.

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SEED, choicest single & double 50c & \$1 each trade pkt.

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BUGNOT'S superb blotched..... 40c. per 100.

CASSIER'S superb plant..... \$1.50 per 100

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MAMMOTH VERBENAS in best colors, 70c. per 100

S. WHITTON & SONS Wholesale Florists,

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Buffalo.

Nothing particularly new in town this week, not even in weather. The only variation in the latter is that two days in succession we have it 10 above zero and for a change the third day it is 2 below. Very like the Irishman's dinners, one day potatoes and salt and for change potatoes without salt. But "the sun is shining brightly, and somewhere children laugh and shout," and although it's not in Mudville we believe a good time is coming, and that very soon. Violets are now very plentiful and selling at truly popular prices. The terrible freeze prevented some of the growers from getting in their bulb stock for two weeks, and in at least one establishment there was a dearth. Carnations are now in good supply. W. J. Palmer is sending in some great Daybreak; this is yet the popular variety, and without doubt will be for some time to come. W. Scott is growing a small bench of Helen Keller at his houses at Corfu, and last week a view of them convinced him that this variety was and is all that is claimed for it. It is one of the largest if not the largest carnation in cultivation, a perfect flower, and has only to be offered to the public in good form to meet immediate sale. He says his plants, although received in the best of shape, and grown on had the misfortune to lay under an apple tree eighteen days of continuous rain, and then planted very late and followed by three months' drouth. He thinks with good fair treatment it is one at least of the four leading carnations of the day.

Mr. Simmons of Geneva, O., was in town introducing his new carnation Rose Queen. He does not show us any of the flowers, but as we know that Mr. Simmons raised Daybreak, Silver Spray, Portia, Harrison, Tidal Wave, and several others, we have only to bow and be polite and believe him when he says that Rose Queen beats them all.

President Adams has joined a West Side aristocratic bowling club, and was immediately made permanent captain of the same; his average for the first two weeks was 102 or 202, I forget which.

W. S.

Toronto.

Another snowstorm is now raging, with the thermometer in the vicinity of zero, obstructing the course of all trades more or less, but especially the florists' trade. What with storm and fire (three big fires within two months), this city is getting lots of excitement, but the price comes a little high. Lent is upon us again, but it does not appear to have so much effect upon the consumption of cut flowers as of yore; last week, although business was not exactly what one could call lively, it could scarcely be called dull either.

The new conservatories at the Horticultural containing the collection of plants presented to the city by Sir David Macpherson, were formally opened by Alderman Hallam, chairman of the Parks and Gardens Committee, on Tuesday evening last. A great crowd of people were present, who are reported to have enjoyed the evening immensely, but whether through a mistake or otherwise, very few of the gardeners or florists appear to have received invitations. The conservatory is a decided improvement on the old one, and in time as it gets filled up should be worth going into. Some more houses are wanted now to grow flowering plants to keep it gay and attractive, but Park Superintendent John Chambers finds it hard squeezing money

out of the city council for horticultural purposes, and I suppose we must be thankful for what we do get and wait patiently for more. E.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs not admitted under this head.

SITUATION WANTED—In a retail store by a young man of 26; best of references. Address
NEW YORK, care American Florist.

SITUATION WANTED—By a first-class florist of all branches, 16 years' experience, single; good reference. Address
K, care American Florist.

SITUATION WANTED—To learn the trade by young American, 21; good worker; does not care about high wages; would work by the year. Address
CARL HIRSCH, Hillsdale, Mich.

SITUATION WANTED—By young man of some experience in greenhouses; northwest preferred; references. Address
NELS PETERSON,
109 1st Ave., S., Minneapolis, Minn.

SITUATION WANTED—By young man, age 22; steady, honest and reliable; 4 years' experience in general greenhouse work; best of references. Address
RELIABLE, care American Florist.

SITUATION WANTED—German, 14 years' experience; good rose, palm and general stock grower, single; references from large establishments. Address
FLORIST, Et Hlekyro St., Orange, N. J.

SITUATION WANTED—As foreman by first-class rose and carnation grower, 17 years' experience, 5 years in present place; age 35, married. Address
W H, 34 Washington St., West Pittston, Pa.

SITUATION WANTED—As foreman; thoroughly understands the growing of roses, carnations, violets and all kinds of florists' stock. Address
THOS. MCKENZIE, 53 Ludus St., Cleveland, Ohio.

SITUATION WANTED—By young man, age 28, single, as gardener in private place; 14 years' experience; good grower—flowers and vegetables. Good references. Address
LUQUAT, care Am. Florist, Chicago.

SITUATION WANTED—By young man of 2 who wishes to get acquainted with Chicago seed, plant and flower trade; been in the business 6 years, and has first-class California references. Address
B C, care American Florist.

SITUATION WANTED—By a practical florist, married, German, middle aged; experienced propagator and grower of roses, carnations, palms and general stock; best of references. Address
GUSTAV FREYTAG, 3116 Cambridge Ave., Toledo, O.

SITUATION WANTED—As foreman; American, single, where rose growing is a specialty, and where only first quality roses are wanted; Pennsylvania or South preferred; struggling parties please not answer. Address
FOREMAN, care American Florist.

SITUATION WANTED—By a practical gardener and florist of executive ability as superintendent of large establishment either private or commercial; understands his business thoroughly, and is well known in the trade. Address
METEOR, care American Florist.

SITUATION WANTED—As manager or foreman in a large commercial place by a practical grower of roses, carnations, violets, chrysanthemums, palms, ferns, etc., forcing of all kinds of bulbs; over 20 years' experience, single, references. Address
D. P. N., 233 E. 43d St., Chicago.

SITUATION WANTED—By competent man as packer of cut flowers and plants; also competent for packing for foreign countries; thoroughly understands steam and other fittings and general greenhouse work; commercial place preferred. Address
B B B, 12 South 9th St., Richmond, Ind.

SITUATION WANTED—Plantman of practical experience, posted on all requisites of commercial places, general propagation, cut flowers, roses, carnations, etc., items of the nurseries, desirable specialty and novelty; executive ability in all branches inside, outside; best references. For particulars address
PLANTSMAN, care American Florist.

SITUATION WANTED—By a capable, energetic man as foreman; specialist in rose and cut flower growing; practically experienced in all leading branches of the business; German, single; open for engagement at any time desired; only first-class plants wanted; best of references; when answering give particulars. Address
M S, care Am. Florist.

SITUATION WANTED—By man of executive ability as foreman or manager in commercial or private establishment; German age 44, married, family, strictly temperate and industrious; 25 years' experience in growing of roses, carnations, violets and a general line of cut flowers for the market; first-class references as to ability and character from former employers; 7 years in last place; correspondents please state particulars. Address
FLORIST, box 146, Elmwood Place, Ohio.

SITUATION WANTED—By April 1st, by an energetic first-class nurseryman (32 years of age, unmarried), as general foreman of a large ornamental nursery. Possessing, as I do, over 16 years of practical experience with some of the leading firms of Germany, France, Holland and the United States, I have acquired thorough familiarity in all details of the nursery business. An expert in propagation, grafting by several improved methods, and the cultivation of the higher class of nursery stock and all novelties, accomplished by a system producing large quantities in the shortest time possible. Address
PROPAGATOR, care American Florist.

WANTED—A quick, reliable young man for the small plant business in the west. Address
R R, care American Florist.

WANTED—Address of Emil Levevre for important purpose; will be please write or call. Address
BRANT & NOE, Forest Glen, Ill.

WANTED—Assistant for general greenhouse work, not over 21, single; references; state wages. Address
S. J. LONG, Box 1, Petoskey, Mich.

WANTED—Partner with \$500 in florist business in a good town in Kansas. Address
H W, care Vaughan's Seed Store, Chicago.

WANTED—Man that understands the growing of roses and mums; state wages and references. Address
Box 577, Peoria, Ill.

WANTED—At once, a sober, industrious young man to assist in general greenhouse work; must come well recommended. Address
RUSH, care American Florist.

WANTED—Good assistant, well up in general greenhouse work, roses especially; German reference; state wages expected, with board; good at floral work. Address
Box 324, Spencer, Mass.

WANTED—Young man with some experience, as assistant in commercial greenhouses. With board. State wages. Address
BRIGGS CONSERVATORIES, Taunton, Mass.

WANTED—In commercial place, young man; must be experienced general plantsman, and good on designs and other floral work; also young man to take charge of lawns on private places; must be competent to do planting of beds and change grade of lawns; only honest, sober and good workers wanted who are willing and try to hold permanent place and work for fair wages. Address with references and address of former employers
ASSISTANCE,
care Welch Bros., 2 Beacon St., Boston, Mass.

WANTED—By a thorough, practical man, a position as head gardener on a gentleman's place, or manager of a large commercial plant. Thoroughly understands the growing of all plants for market or private use. Roses, violets, carnations and mums a specialty. Aged 40 years, married, two children grown, English; 18 years in present position; reason for leaving, death of employer. First-class references from England and this country. Open for engagement March 1st. Those not requiring the services of a first-class man need not apply. Address
A B, No. 3 Livery St., Waterbury, Conn.

FOR SALE, RENT OR SHARES—Greenhouse and celery garden, no competition; bargain. Address
W. J. OLDS, Union City, Pa.

FOR SALE OR RENT—Greenhouse, stocked, 2,000 square feet glass; a good chance for a practical florist. For particulars inquire of
THEO. NOELKE, Green Bay, Wis.

FOR SALE OR RENT—In center of the city, 8,000 feet of glass with store, and first-class stock; cause, sickness. Address
JOHN SCHNEIDER,
32 1/2 Walnut St., Kansas City, Mo.

FOR SALE—Two-story house with store and greenhouse at rear, 70 feet long by 2; wide, 426 61st St.; good location; also store on Wentworth Ave., doing good business, with a reasonable rent. Address or inquire
217 Wentworth Ave., Englewood, Chicago.

FOR SALE—5 nearly new greenhouses containing 5,000 feet of glass, large workshop, heated with a Tift steam boiler; houses filled with carnations, sun-lax and bedding plants, with elegant dwelling, one acre land, city water; one minute from railroad depot; cheap, particulars. Address
BOX 464, Springville, N. Y.

FOR SALE CHEAP—I will sell my Maple Heights and Marion Greenhouses (or plant), consisting of 25,000 square feet of glass; heated with steam and natural gas, stocked with the leading varieties of roses, carnations, geraniums, palms, sun-lax, etc., etc., with four acres of ground, under cultivation; a cottage on the place and about forty fruit trees of the standard varieties of cherries, pears, plums, etc.; we are on three railroads with a direct line to the best flower markets in the west; only one competitor and a town of 20,000 inhabitants. Ill health the cause of wanting to sell. A great bargain to the right one. Address
MRS. GEO. R. FRAVELL,
322 Washington St., Marion, Ind.

FOR SALE OR LEASE.

Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address
WM. SPRINCBORN, Dubuque, Ia.

A FINE BUSINESS OPPORTUNITY.

The Woodbury greenhouses are for rent, located opposite station in the center of the city of Woodbury, heated with steam, two houses with steam and hot water; city water, office, packing and putting rooms and sheds all connected. To the right party with little capital, satisfactory arrangements can be made; good local trade; large territory to work up; 30 minutes to Phils. by W. J. R. R., 20 trains daily;rolley car every 15 minutes; rent only on account of ill health. One who means business address

J. H. LUPTON, box 576, Woodbury, N. J.

\$3,500.

BARCAIN FLORIST STORE, fine location, Chicago, main business street, established 15 years; good paying business; owner going to Europe; stock consists of fixtures, seeds, artificial flowers and florist supplies, horses and wagons etc. Also to lease on long time, low rental, desirably located city lots on business street, for greenhouse purposes; excellent opening for retail plant business. Investigate before starting in business.

HORACE R. HUGHES, Room 4, 66 Wabash Ave.

CARNATIONS

READY NOW.

50,000 each of McGowan and Day-break, other varieties in proportion, Mrs. Fisher, Helen Keller, Sweetbrier, Stuart, Buttercup, Iago, Jacqueminot, Scott, Cartledge, Aurora, Portia and Dorner.

Write for prices, stating how many you will want of each variety. The price will be reasonable and the stock warranted well rooted and healthy, with the privilege of not accepting it if found otherwise.

Pansies from cold-frames will soon be in order; they are the same strain as those I sell in the fall, and are cheap at \$1.75 per 100; \$15.00 per 1000 (in bud and bloom).

ALBERT M. HERR,
L. B. 496. LANCASTER, PA.

VIOLETS

MARIE LOUISE, Per 100 Per 1000
\$1.00 \$6.00

This stock has been selected from the best grower, whose cut of blooms we have handled this season, the same having been superfine the entire season. There has not been a trace of disease at any time in the plants, and we recommend them in every particular as the very BEST STOCK on the market.

Plants ready for Shipment March 15th.
SEND YOUR ORDERS TO

T. J. CORBREY,
64 & 66 Wabash Ave., CHICAGO.

ROOTED CUTTINGS.

Alternanthera p. major and Aurea nana,
50c. per 100 by mail; \$4.00 per 1000 by express.

Coleus, 60c. per 100 by mail.

Ageratum White Cap and a good blue, 50c. per 100.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,
UPPER SANDUSKY, OHIO.

Rooted Cuttings.

VERBENAS, finest bright colors, mammoth, vigorous, strong \$6.00 per 1000.
GERANIUMS, special best double and single; all labelled, \$12.00 per 1000.
COLIUS, 24 distinct finest, plenty red and yellow, \$6.00 per 1000.
SEEDLING VERBENAS, my own select mammoth, transplanted, \$5.00 per 1000.
PLANTS, Heliotropes and Scarlet Sage new compacta, \$1.75 per 100.
CANNIA Mme. Crozy, 75c. per dozen.
My stock can be sent with any from A. M. Herr
DANIEL K. HERR, Ryder Ave., Lancaster, Pa.
Menthol American Florist.

10,000 Berberis Thunbergii, 1 1/2 to 2 ft.
20,000 " " red berried, 2 to 3 1/2 ft.
15,000 " " purple leaved, 2 to 3 1/2 ft.
20,000 Buckthorn, 2 to 4 ft.
30,000 California Privet, 2 to 3 ft.
10,000 Common Privet, 3 to 6 ft.
5,000 strong Multiflora and Sweet Briar roses.
Also Althea, Snowberry, Spiraea, Viburnum, Cornus, White Lilac, 3-thorned acacia, and all Evergreen Hedge plants. Priced catalogue to any address.

B. M. WATSON,
Old Colony Nurseries, PLYMOUTH, MASS.

Well Rooted Runners
MARIE LOUISE VIOLETS,
Now Ready, \$6.00 per thousand.
CASH WITH ORDER
GEO. N. SAYLES, 40 Bradley St., Watertown, N. Y.

When writing to any of the advertisers on this page please mention the American Florist.

... OUR ...

Special SPRING Number

WILL BE ISSUED

March 23

instead of March 16 as previously announced. Send advs. now for this great number. No increase in adv. rates.

AMERICAN FLORIST GO.,

P. O. Drawer 164. CHICAGO.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.
NO RUST OR MILDEW.
PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.
We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

New Chrysanthemum, PHILADELPHIA.

The great prize winner. Orders booked now for delivery March 15th.
50 cents each; \$6.00 per dozen; \$35.00 per 100.
UNCLE JOHN, white; THE STUART, scarlet SWEETBRIER, pink; SAMBO, crimson; \$1.00 per dozen; \$5.00 per 100, EDNA CRAIG, WM. SCOTT, 40c. per dozen; \$3.00 per 100.
NEW YELLOW DAISY (Fiole d'Or), plants from 3-inch pots, \$1.00 per dozen; \$6.00 per 100.
Wholesale Price List of new and rare plants sent on application.
SWAINSONA GALEGIFOLIA ALBA, from 2 1/2-in. pots, 75c. per doz., \$5.00 per 100.
C. EISELE, 11th and Jefferson Streets, Philadelphia, Pa.

PALMS CHRYSANTHEMUMS
CARNATIONS ORCHIDS & ROSES
Prices on application.
EDWIN LONSDALE,
WYNDOMOOR, near Chestnut Hill, PHILA., PA.

TRY DREER'S
GARDEN SEEDS,
Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.

Kills Mildew and Fungus Growth.
What does?
GRAPE DUST.
Sold by Seedsmen.

PANSIES.
25,000 plants in cold frames, of my XXX strain, \$4.50 per 1000. Cash with order.
W. J. ENCLE, Box 211, DAYTON, O.

The Great World's Fair Success
"LEMOINE'S HYBRIDS ARE THE CHIEF GLORY."—AMERICAN FLORIST, Aug. 17, 1886.
GLADIOLUS LEMOINEI AND NANCEIANUS.
150 first-class named varieties offered at low prices by
V. LEMOINE & SON,
NANCY, FRANCE.
New plants a Specialty. Catalogue free.

LOW PRICE (Not Cheap) STOCK.
Rooted Cutting of the following:
Mme. Salleri and other Geraniums, Fuchsias, Feverfews, Gazanias, Marguerite Daisy, Heliotrope old var., Salvias, Viuca var., etc. 90c. per 100.
Alyssum dbl., Alternanthera var., Ground Ivy, Pansy plants, etc., etc., 50c. per 100.
CASH WITH ORDER.
THE OAKS GREENHOUSE CO., Jackson, Mich.

Marie Louise Violets.
ROOTED RUNNERS.
Healthy, strong plants. BETTER can not be had anywhere.
ANDREW WASHBURN & SON,
BLOOMINGTON, ILL.

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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
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No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Our Special Spring Number.

We have decided to change the date of our special spring number from March 16 to March 23. This will be the most elaborate special number we have ever issued. If you have not already sent an adv. for it please send by early mail. No increase in adv. rates.

Your Spring Trade List.

Your spring trade list printed on a page of the special spring number of the AMERICAN FLORIST will go to every trade buyer in the United States and Canada (over 8,000) and will cost you only \$42. To mail a list of your own to the same number would cost you \$80 for postage alone, to say nothing of the printing, envelopes, addressing, etc. And the handsome special numbers of the AMERICAN FLORIST are always preserved, while your list (among the great mass of others with which the trade is deluged) might not be so lucky. We can save you money as well as giving you better service. Think it over—and give it a trial this year.

WE HAVE received a copy of the printed annual financial statement of the secretary and treasurer of the Gardeners' and Florists' Association of Toronto. It is a model, making everything connected with the finances of the organization perfectly clear. We commend the practice of preparing and printing such a statement, so that each member may have a copy to study at his leisure. We have no doubt that secretaries of other clubs may obtain a copy by addressing Mr. A. H. Ewing, Normal School Gardens, Toronto, Ont.

GALAX LEAVES

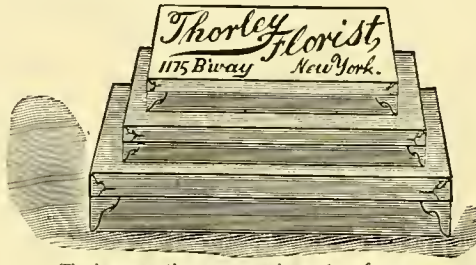
For DECORATING AND FLORISTS' USE.

BRILLIANT GREEN AND BRONZE.

LARGE AND SMALL SIZES.

Wholesale Florists generally, but if your jobber does not handle them write for prices and further information to

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

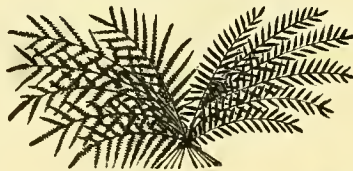
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WHOLESALE
CUT FLOWER GROWERS' AGENTS,Dealers in Florists' Supplies—Wire Work.
Introducers of the new Scarlet Carnation "LIZZIE
GILBERT." Send for prices.
386 Broadway, MILWAUKEE, WIS.
Box 75. Phone 1273.**SAMUEL S. PENNOCK,**
Wholesale Florist
REAR OF 42 S. 16th STREET,
Philadelphia, Pa.**WHOLESALE
Accommodation**FOR
GROWER
OR
STORE KEEPER.**Wisconsin Flower Exchange, Milwaukee, Wis.**

The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,NEW YORK SALESROOM:
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

**Hardy Cut Ferns,**

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

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FOLDING
PAPER
BOXES
for CUT
Flowers.Made from Water-proofed, Double Manila lined,
Strawboard. Shipped flat, packed 100 in a crate.

CHICAGO FOLDING BOX CO.,

Jackson & Clinton Sts., CHICAGO.

TELEPHONE MAIN 4718.

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Wholesale Commission Florist.

ALL STOCK IN FINEST GRADES.

113 W. 30th St., NEW YORK.

Telephone Call 1307 38th St.

JULIUS LANG,
(Formerly with THEO. ROEHRS.)
Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.**The Boston Flower Market**

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of Sale. TERMS STRICTLY CASH.

Address JOHN WALSH, MANAGER,
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."**Cycas Leaves.** FRESH CUT
each 75c.
VAUGHAN'S SEED STORE, P. O. Box 688, Chicago.**"The National"**

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,NEW YORK SALESROOM:
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

Hardy Cut Ferns,

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

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H. L. SUNDERBRUCH,
Wholesale Florist4TH AND WALNUT STREETS,
Cincinnati, O.**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS,

495 Washington St., BUFFALO, N. Y.

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OTHER SPECIALTIES:Florists' Supplies, Wire Designs, Bulbs,
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Catalogues, Lists, Terms, etc., on application.**W. ELLISON,**
WHOLESALE
Cut Flowers & Florists' Supplies
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St. Louis, Mo.**C. A. KUEHN,**
(Successor to ELLISON & KUEHN.)**Wholesale Florist,**

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ST. LOUIS, MO.

A complete line of Wire Designs.

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WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS.
 SEEDS, BULBS AND ALL
 FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
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Agent for finest grades Waxed and Tissue Papers.

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If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
 34 & 36 Randolph Street,
 PHONE MAIN 223. CHICAGO.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. CHICAGO.

Our Roses best them all, in quality.
 Headquarters for fine American Beauties.

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
 CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

WELCH BROS.,
Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

Always mention the American Florist when writing to advertisers.

Wholesale Markets.

Cut Flowers.

NEW YORK, Mar. 5.

Roses, Niphetos.....	1.00@2.00
" Perle, Hoste.....	1.00@2.00
" Mernet, Cusin, Watteville.....	2.00@4.00
" Bride, Bridesmaid.....	3.00@8.00
" La France.....	4.00@8.00
" Testout.....	4.00@8.00
" Meteor.....	4.00@8.00
" Beauty.....	20.00@50.00
" " seconds.....	5.00@15.00
" Hybrids.....	10.00@25.00
" Jacqs.....	2.00@8.00
Carnations.....	.75@1.00
" fancy.....	1.50@2.50
" ".....	.50@.60
Valley.....	1.50@2.50
Narcissus.....	1.00@2.00
Daffodils.....	1.50@2.50
Freesia.....	1.00
Tulips.....	1.00@2.00
Harrisl hills.....	4.00@8.00
Mignonette.....	4.00@15.00
Cattleyas.....	25.00@35.00
Smilax.....	15.00@35.00
Adiantums.....	1.00

BOSTON, Mar. 5.

Roses, extra selected.....	10.00@15.00
" Mernets, Brides.....	4.00@8.00
" Niphetos, Perle.....	4.00@6.00
" Bon Silene, Gontier.....	2.00@3.00
" Bridesmaid, Testout.....	4.00@10.00
" Meteor.....	4.00@10.00
" Beauty.....	25.00@50.00
" Jacqs.....	3.00@4.00
" Hybrids.....	8.00@25.00
Carnations.....	2.00@3.00
" fancy.....	3.00@4.00
Valley.....	2.00@4.00
Hyacinths, freesia.....	1.00@2.00
Narcissus, single.....	2.00@3.00
" double.....	3.00@4.00
Tulips.....	2.00@4.00
Harrisl, callas.....	10.00@12.00
Violets.....	.50@.75
Smilax.....	15.00@20.00

PHILADELPHIA, Mar. 5.

Roses, small.....	4.00@5.00
" large tests.....	4.00@8.00
" extra select.....	10.00@15.00
" Beauties.....	35.00@50.00
" Brunners.....	50.00
Lang.....	25.00
Carnations.....	1.50@2.00
" extra.....	3.00@3.00
Asparagus.....	35.00@50.00
Violets, double.....	.50@.75
" single, per 100 bunches.....	\$2.50@\$4
Valley.....	4.00
Daffodils.....	3.00
Cattleyas.....	25.00@35.00
Cypripediums.....	15.00@18.00
Smilax.....	15.00@18.00
Tulips.....	4.00@5.00

CHICAGO, Mar. 7.

Roses, Beauties, selected.....	25.00@50.00
" " seconds.....	8.00@20.00
" Testout, Brides, Bridesmaid.....	5.00@7.00
" La France, Wootton, Mernets.....	4.00@6.00
" Perle, Niphetos, Gontier.....	2.00@4.00
" Jacqs.....	6.00@12.00
Carnations.....	1.00@1.50
" fancy.....	2.00@3.00
Valley.....	3.00@4.00
Paper White, Romans, Freesia.....	3.00@4.10
Tulips.....	3.00@4.10
Daffodils.....	3.00@4.00
Dutch hyacinths.....	4.00@8.00
Harrisl, Callas.....	5.00@8.00
Violets.....	.50@.75
Smilax.....	20.00@25.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART,
Cut Flowers AND Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS
 JOBBERS IN
 FLORISTS'
 SUPPLIES,
 FLORISTS'
 METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND.
 1 Music Hall Place, BOSTON, MASS.
 HORTICULTURAL AUCTIONEERS.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
Meteor,
Testout,
 And all other desirable roses, grown especially for first-class trade.
BURNS & RAYNOR,
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49 West 28th St., NEW YORK.

THOS. YOUNG, Jr.,
Cut Flowers,
WHOLESALE,
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WALTER F. SHERIDAN,
 WHOLESALE
FLORIST,
 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application.

Edward C. Horan,
 34 W. 29th Street, NEW YORK.
WHOLESALE • FLORIST.

Careful Shipping to all parts of the country
 Price list on application.

JAMES PURDY,
 WHOLESALE DEALER IN
CUT • FLOWERS,
 57 W. 30th St., NEW YORK.

JOHN YOUNG,
FINE ROSES
 WHOLESALE,
 51 West 28th St., NEW YORK.

THEO. ROEHRS,
 WHOLESALE
FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

FRANK MILLANG,
WHOLESALE FLORIST
 408 East 34th Street,
 Cut Flower Exchange, NEW YORK.
 ESTABLISHED 1884.

Re Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DONN, 114 Chambers street, New York, secretary and treasurer.

CALIFORNIA ADVICES of February 28 indicate fine weather and excellent conditions for seed crops.

DON'T FORGET that our special spring number will reach every buyer in the trade in North America, and several hundred abroad too. No increase in adv. rates.

Catalogues Received.

Robt. Evans & Co., Hamilton, Canada, garden and farm seeds; J. M. Philips' Sons, Mercersburg, Pa., seeds; Chas. Schwake, New York, German seed list; Henry Philipps Seed and Implement Co., Toledo, Ohio, seeds; A. B. Davis & Son, Purcellville, Va., greenhouse and bedding plants; Jos. Bancroft, Cedar Falls, Iowa, seeds and plants; Jos. Wagner, Beaver Dam, Wis., seeds and plants; Sander & Co., St. Albans, England, new orchids; Williams & Sons Co., Batavia, Ill., tree and plant labels, packing materials; same, plants; E. E. Allen, Brattleboro, Vt., seeds and plants; U. S. Seed Co., Kalamazoo, Mich., vegetable seeds; J. F. Wilcox, Council Bluffs, Ia., trade list plants.

OBITUARY.

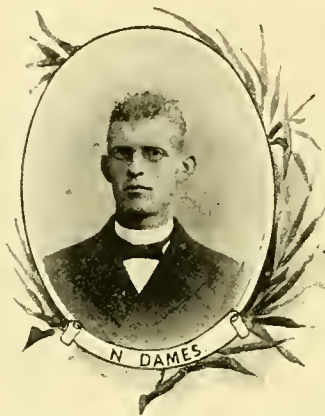
CAMILLE BERNARDIN, whose name is familiar to rose growers, died during the past winter at Brie-Comte-Robert, France, in his 64th year. M. Bernardin was one of the founders, and the first editor of the *Journal des Roses*, and contributed freely to the horticultural press. He was an ardent flower lover, doing much for the advancement of horticulture generally, and was a valued officer of numerous horticultural societies. M. Bernardin was a lawyer by profession, and prominent politically, being three times elected a member of the Conseil General of his district.

Bone Dust for Dahlias and Gladiolus.

"W." wants to know if "bone dust is good to apply as a fertilizer for dahlias, gladiolus and other flowering bulbs." The term "other flowering bulbs" is very indefinite, and let me remind "W." that a dahlia is by no means a flowering bulb, merely enlarged roots and a most gross feeder. I know of nothings scarcely that a farmer or a florist grows but what is greatly benefitted by bone dust as a fertilizer. Only last week I heard a gentleman (who certainly ought to know) say that bone dust was no good for carnations. Now contrary to his opinion I know many practical carnation growers who use bone dust liberally and grow fine flowers. The dahlia delights in plenty of animal manure, no plant more so, and the gladiolus also thrives best in a well manured piece of soil, but if you cannot get animal manure then don't be afraid to use bone dust. W. S.

Pink Swainsona.

I understand from old gardeners that there is a pink swainsona, which I believe would make a beautiful companion to the white, but I do not find it listed in any of the catalogues. Can someone tell me where it may be had? C. E. WELD.



N. DAMES,

OF THE FIRM

G. van der Horst & Co.,

BULB GROWERS,

Heemstede, - Holland,

Is on his round trip in America. Up to April 15th all letters and communications directed to G. van der Horst & Co., care of Knaut, Nachod & Kuhne, 13 South William Street, New York, will have prompt and careful attention. Our prices are reasonable. OUR MOTTO—Excellent stuff makes cheap prices. Up to now we have not one claim—everyone who deals with us is satisfied.

YOURS FOR A GOOD HARVEST
 If you plant Gregory's Seeds. These Seeds, famous through many years, have turned the tide of success toward a great many sowers. Perhaps they are all that you lack. The whole story about
GREGORY'S SEEDS
 Is told in Gregory's Catalogue for 1895—a book that helps solve all the problems of planting; sets you right when in doubt; gives in detail the best farming knowledge right up to date. It's free. Ask for it.
J. J. H. GREGORY & SON, Seed Growers, Marblehead, Mass.

1,000,000 TREES
 Over 1,000 varieties. Fruit and Ornamental Shrubs, Vines and Buses. All standard and special varieties. Send for illus. Catalogue, W. S. LITTLE & CO., Rochester, N. Y., or 52 Exchange Place, N. Y. City.

CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established

Lil. Auratum, Spec. Rubrum and Album, Etc.
 Iris Kämpferi, in 100 choice varieties.
 Japanese Maples, in best varieties.
 Camellias, Pæonies, Tree Ferns, Raphis, Etc.
 Araucaria excelsa, choice cultivated stock at lowest prices.
 For general Japanese stock apply to

F. Gonzalez & Co.,
 303 to 312 Wayne St., SAN FRANCISCO, CAL.

NOW is the time to plant VERBENA SEEDS

The progressive kind will meet your needs, and make a grand sensation.
 'Tis the kind that spans the silver half
 And makes progressive Florists laugh,
 And saves them much vexation.
 New crop now ready. None but the best XXX seed offered. Will produce some grand novelties. We've had florets 1 1/4 inches across. First Premium at Mt. Holly Fair this year. 1/4 oz 60c; 1/2 oz \$1; total pkt. 10c.
 Hand hybridized Double Petunias, Dreer's; none better. 500 seeds 60c; 1000 seeds \$1.00.
 Single fringed, Dreer's and California Giant blended, saved from the most magnificent showy varieties in cultivation. 500 seeds 30c; 1000 seeds 50c.
 Dwarf French Gold striped Marigold, makes nice pot plants for spring sales. Trade pkt. 25c.
 Dwarf Marguerite Carnation, all saved from fine double flowers. Trade pkt. 25c. Lots of other good things. Novelty price list, free to all.
 Cash with order please. Address

J. C. GIBSON, WOODBURY, N. J.

Seeds, Bulbs, Supplies,

at Wholesale only. Send for trade lists, mailed free on application with business card.
 Address **August Rölker & Sons,**
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CLEMATIS.—Large flowering 2 years. In variety \$3.00 per dozen; \$22.50 per 100, home grown.
DOUBLE PAISIES.—Snowdrift. \$1.00 per dozen.
 Longfellow and Snowflake, in bloom, \$2.00 per 100.
F. A. HALLER, Bloomington, Ill.

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By the thousand or ten thousand, only of one variety, from J. SCHILPZAND & SONS, Hillegom, Holland, apply to their agent:
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Jobbers only please correspond with us in regard to contracts. Prices right.

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Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

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VERBENAS Transplanted Cuttings \$8 per 1000; \$1 per 100. Rooted, \$6 per 1000. Plants, \$2 per 100. All clean and true to color. Satisfaction guaranteed, and safe arrival.
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Our annual price list is now ready. Please write us for a copy. **It will save you money.**

We handle nothing but the

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NORTHRUP, BRASLAN, GOODWIN CO.,

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HYACINTHS, all the best varieties for forcing. Small, pure white and other colors to succeed the Romans.

DOUBLE YELLOW DAFFODILS (Van Sion) in any quantity.

NARCISSUS, Horsfieldii, Sir Watkin, Trumpet major, Albus plenus odoratus, and other sorts.

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GLADIOLUS The Bride, for forcing, in any quantity, at a fair price.

White Spanish Iris, like orchids.

Lilies and other bulbs and bulbous roots for forcing and cut flowers.

Send list of what you need before ordering elsewhere

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 Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEBER & DON,
 Seed Merchants and Growers,
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M. KEPPLER,
 Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
 Florists and Gardeners trade a Specialty. 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
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WARRANTED;—"Few Equal—None Better."
 Special Wholesale Price List mailed Free on application, together with "A BRIGHT BOOK ABOUT SEEDS," novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.
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 GROWERS OF
Hyacinths, Tulips, Crocuses, Narcissus, etc.

WE ARE ABLE TO QUOTE THE LOWEST PRICES FOR WHOLESALE DEALERS.
 Address all Correspondence to Myers' Hotel, Hoboken, N. J.

Special Growing of **FRENCH BULBS**

ROMAN HYACINTHS—White, Rose, Blue.
NARCISSUS—Von Sion, early; Paper White; Grandiflora totus albus.

LILIUM CANDIDUM. IMMORTElLES, in all colors.

CABLE ADDRESS: ROCHE, OLLIOULES.

FREESIA REFRACTA.
ALLIUM NEAPOLITANUM.
TRUMPET MAJOR, real.

And many others good for forcing. Send for catalogue.

A. ROCHE, Ollioules, var, France.

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 Orders booked up to Dec. 1 for *Cycas Revoluta* Stems. Send for our new and interesting Catalogue '94-'95.
H. H. BERGER & CO.,
 (Established 1878.) SAN FRANCISCO, CAL.
 Oldest and most reliable import house.

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 SELL ALL KINDS CHEAP.

SEEDS
 Of all kinds, true to name and fresh.
Jos. F. Dickmann,
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 Send for my New Catalogue, FREE.

CHOICE FLOWER SEEDS FOR FLORISTS
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 Fresh seed just arrived. New crop Sweet Peas just received.

Price List for florists free on application.
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 413 EAST 34TH STREET,
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 Mention American Florist.

SOMETHING of INTEREST TO Market Gardeners and Truckers to be had for the asking. Write now for it.
 Address **JOHNSON & STOKES, Seedsmen,**
 217 & 219 Market St., Philadelphia, Pa.

EXTRA CHOICE FLOWER SEEDS.
 List free on application.
FRED. ROEMER, SEED GROWER,
 QUEDLINBURG, GERMANY.

American Versus Foreign Glass.

I have read with interest the abstract of Mr. H. W. Gibbons' paper on the construction of glass houses which appeared in the AMERICAN FLORIST February 16. Evidently Mr. Gibbons understands his subject thoroughly, with one exception, which to my mind (perhaps a prejudiced one) is very important. He advocates the use of French or Belgian glass, double thick second quality, for the construction of rose houses, as allowing a more ready passage of the pure light, but for all other construction he believes American glass well suited.

If Mr. Gibbons had given the question of glass a trifle more attention I do not think he would have made this statement. If, as he states, American glass is well suited for ordinary greenhouses and conservatories I fail to see wherein it is not well suited for rose houses. I do not think that Mr. Gibbons intended to convey the idea that there were no good roses grown under American glass in this country, as I am sure he knows to the contrary. One has only to walk up Broadway on an afternoon to see the finest roses in the world, and it is a generally known fact that for the past eight years they have not been grown under French or Belgian glass, but under American glass.

I have been in the glass business for the past twenty-five years, sixteen of which were passed in the importing business handling French and Belgian glass, and the last nine years in the manufacture and sale of American glass. I have made greenhouse glass a study, and as a result of that study am now interested in the extensive works of the Chambers & McKee Glass Co. at Jeannette, Pa., where is produced the finest glass made either in this country or in Europe. The elegant conservatories in the Allegheny City Park which were given to the City of Allegheny by Mr. Phipps, and which were built by Thos. W. Weathered's Sons, were glazed with this glass. The conservatories at Schenley Park, Pittsburg, given to the City of Pittsburg by Mr. Phipps, and which were built by the Lord & Burnham Co., were also glazed with our American glass, and I could enumerate an extensive list of both public and private conservatories of which the same is true.

With all due respect to Mr. Gibbons I must take issue with him. There is no necessity for anybody going to Europe for glass, either for their conservatories, rose houses or commercial greenhouses. I claim that to-day we make in America the finest glass in the world, under which the finest flowers in the world are grown, with the aid of the bright sun of Heaven which shines on the finest country on earth.

D. H. ROBERTS.

IF YOU HAVE anything to sell to the trade you ought to have a strong adv. in our special spring number to be issued March 23.

Kieffer and Bartlett Pears (2 years). **Abundance and Burbank Plums.** **Japanese Persimmons** (1 and 2 years). **Scuppernon, Thomas and Flowers Grapes** (1 and 2 years).

Extra fine stock at greatly reduced prices.

GLEN ST. MARY NURSERIES,

G. L. TABER,

GLEN ST. MARY, FLORIDA.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

THE CALIFORNIA VIOLET.

We have received our first installment of **THE CALIFORNIA VIOLET** in splendid condition. The Violet is meeting with great favor from the principal growers throughout the country, and those who began ordering from 100 to 500 plants have raised their orders to 1000 and 5000 plants. This course we recommend to all growers, as those who make their plantings early will probably get from each plant an average of 300 to 400 flowers during the coming autumn and following winter. Considering the low price at which the plants are sold growers can make more money from the sale of cut flowers of **THE CALIFORNIA VIOLET** next season than from any other variety. Those who do not order in large quantities will find their mistake when too late. Orders booked now are for April delivery only, to be filled strictly in rotation.

PRICE, \$10.00 PER 100; \$70.00 PER 1000. 500 AT THOUSAND RATE.

PITCHER & MANDA, Inc., Short Hills, N. J.

GANNAS.—VAUGHAN'S—GANNAS.

DO
YOU
OBSERVE

They still have "a yellow canna better than Florence Vaughan"? Where did they come out last year on that claim? Did they make that statement purposely to deceive the public jury or not? We hope not. But to-day the question is, where will they come out this year on the same claim. Write for our Book for Florists, now ready, and we think you will find a list of cannas that did what we claimed for them **last year**, and a list of

NEW GANNAS which will do all we claim for them **this year.**

NEW YORK: **VAUGHAN'S SEED STORE**, 26 Barclay Street. CHICAGO: 146-148 W. Washington St.

ROSES. ROSES.

In all the best standard varieties, suitable for forcing and bedding out, at prices to suit the times.

JOHN N. MAY, Summit, New Jersey.

The Wonderful **NEW ROSE—CRIMSON RAMBLER**
The most remarkable ROSE introduced in many years. "300 blooms on one shoot."
"The gem among the novelties."—LONDON (Eng.) TIMES.
Circular giving full description and price, with handsome colored plate free.
ELWANGER & BARRY, (1840—Mount Hope Nurseries—1895), Rochester, N. Y.

ROSES From 2½-in. pots, now ready to ship, in splendid condition.
AMERICAN BEAUTY, \$6 per 100.
BRIDES, BRIDESMAID and PERLE, \$3.00 per 100.
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INSECTICIDE,
Death to Aphis, Red Spider, &c.
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E. H. Hunt, 68 Lake St., Chicago, Ill.
C. A. Kuehn, 1122 Pine St., St. Louis, Mo.
Wisconsin Flower Exchange, 468 Milwaukee St., Milwaukee, Wis.

2000 JACK ROSE PLANTS
on their own roots, well branched, 2½ to 3 feet high, \$10 per 100. 3 to 4 feet high, \$15 per 100. Sample of 8 for \$1.00.
JORDAN FLORAL CO.,
706 Olive Street, ST. LOUIS, MO.
New Fuchsia LITTLE BEAUTY. 50,000. Now Ready.
The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100. **BEGONIA Oblea**, from 2½-in. pots, \$9 per 100. **GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord**, strong plants, from 2-in., \$3.25 per 100. Cash with order. Special price on large quantities. **JACOBSON & NEFF, Florist,** 4010 Butler Street, Pittsburgh, Pa.

The Rose for the Million!! **BELLE SIEBRECHT.**

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

MORE TESTIMONIALS FROM PROMINENT ROSE GROWERS:

DEAR SIR:—The new Rose, "Belle Siebrecht," is a very valuable rose for winter forcing. The form is exquisite, the foliage handsome, the color charming, rich, bright, and of an entirely distinct new shade; it is also very healthy in growth and a constant and very free bloomer. Please book my order for 1,000.
Yours truly,
ROBERT CRAIG, West Philadelphia, Pa.

It affords me much pleasure to express to you my thanks for the bunch of Belle Siebrecht roses you had the kindness to send to me. After having graced the tables of the N. Y. Florist Club annual dinner two days ago I find it to be a remarkable good keeper, having kept it for three days longer without its losing any of its brilliant color, and it appears as fresh now, after be-

ing out five days, as if just cut. As seen growing at your place I shall pronounce it after a careful examination a remarkable free bloomer, healthy grower, and one that is not easily attacked by mildew, and a welcome addition to our list of forcing roses.

ERNST ANMUS, West Hoboken, N. J.,
WASHINGTON, Dec. 5th, 1894.

MESSRS. SIEBRECHT & WADLEY, New Rochelle, N. Y.
GENTLEMEN:—We have received your circular letter together with price list of your new Rose, Belle Siebrecht, which we inspected in your houses some time ago. Please book our order for 2,000 plants, to be delivered April 15th next.
Yours very truly,
STRAUSS & CO.

This rose is the result of years of patient work by one of the best rosarians in the world. It is not sent out to be "tried." We have subjected it to the most severe tests, and are now fully satisfied that it is the best florists' rose in existence. It is not a mere sport, but is of a distinctly new strain, the result of a cross between La France and Lady Mary Fitzwilliam. Its pedigree is all right. Orders booked now and will be filled in strict rotation. Strong plants ready for delivery April 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

New York Office, 409 FIFTH AVE.

NEW ROCHELLE, N. Y., U. S. A.

NEW JAPANESE ROSE

"Turner's Crimson Rambler."

CHARLES TURNER,

who introduced this extraordinary Rose, is prepared to ship to the United States, very fine plants, 10 to 12 ft long, at \$9 per doz.; or \$72 per 100.

Cash with order. Packing free.

**THE ROYAL NURSERIES,
SLOUGH, ENGLAND.**

FOSTITE, A PERFECT REMEDY to

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out. Fostite, 25 lbs. \$2.00. Bellows, \$3.50. Cash with order. Sold by all dealers and by

C. H. JOOSTEN, 3 Coenties Slip, New York.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

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— OF OUR —

TRADE DIRECTORY

AMERICAN FLORIST CO., CHICAGO

ROSES. ROSES.

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLAGIATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

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CATALOGUES AND PRICE LIST FREE.

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Rooted Cuttings. Cash with

ROSES

BELLES, TESTOUTS, NIPHETOS, METEOR, HOSE, LA FRANCE, AUGUSTA VICTORIA, order. Address for quotations.

VILLA LORRAINE ROSERIES. T. W. STEMMLER, MADISON, N. J.

Mention the American Florist when writing to advertisers on this page.

ALWAYS mention the AMERICAN FLO- RIST when writing to advertisers.

News Notes.

LOUISVILLE, KY.—The Florists' Society will give a spring exhibition April 5 and 6.

CARLISLE, PA.—Jesse Robbins has recently started in the florist business in this city, at 372 Lowther street.

MURPHYSBORO, ILL.—E. I. Bradley has purchased land here upon which he will erect two greenhouses this spring.

SALT LAKE CITY, UTAH.—The Utah Nursery Co. has adjusted the claims against it and will continue business.

QUEENS, N. Y.—Louis Loeben, who has taken charge of the Wheeler place, is about to erect two large greenhouses.

GARFIELD, N. J.—Fire recently caused serious damage to the greenhouse establishment of A. Van Leeuwen. No insurance.

AURORA, ILL.—Frank Haywood is building a greenhouse 16x60 and will start in the florist business at 206 Cedar street.

DEERING, ME.—Mr. W. Ballard has retired from the co-partnership hitherto existing under the firm name of Ramsey & Ballard and will remove to Bath.

MACOMB, ILL.—Mr. C. Leugenfelder, formerly with J. C. Vaughan, Chicago, has become a partner in the business of Mr. I. L. Pillsbury. The firm name will be Pillsbury & Leugenfelder.

MORGANTOWN, W. VA.—The State Horticultural Society met here February 20-22. The meetings were well attended and interesting. The president of the society is Mr. G. Adolph Hiehle of Parkersburg.

LANSING, MICH.—Fire destroyed the residence, office, and three out of the eight greenhouses belonging to Fitz Simmons & Conover (Riverside Greenhouses). Loss \$2,000, insurance \$1,500. They will rebuild at once.

PLEASANT HILL, Mo.—Mr. Alfred Broman, foreman of the Maplewood Greenhouses, met with a sad bereavement lately in the death of his only son, aged five months. He receives the warm sympathy of many friends.

PROVIDENCE, R. I.—Mr. Geo. Hunt, who was one of the original members of the Rhode Island Horticultural Society, died in this city February 21. Mr. Hunt was an enthusiastic amateur, doing good work for the society in several official positions. He was an authority on wild flowers, and also on entomology, writing some valuable papers on these and kindred subjects. He was universally esteemed and respected.

ALL THE NEW AND TESTED
CARNATIONS
OUR SPECIALTY.
Send for price list and estimates on large quantities.
Large stock of WM. SCOTT,
FISHER & AIRD,
ELLIS, NORFOLK Co., MASS.

Wm. Scott and Goldfinch
Clean, healthy, well rooted cuttings now ready. Wm. Scott is the most productive and the most profitable pink carnation grower. Free from rust. \$3.00 per 100; \$25.00 per 1000.
Goldfinch is like Wm. Scott except in color which is a beautiful yellow. Free from rust. \$3.00 per 100; \$30.00 per 1000.
Geo. Hancock & Son, Grand Haven, Mich.

TWO POINTS

FOR CARNATION BUYERS.

GET THE BEST.—Here's a quartette of them: WM. SCOTT, finest pink of solid color; ALBERTINI, peerless in all qualities; DAY-BREAK, unrivalled in its delicate flesh tones; MCGOWAN, the white of whites.

GET THEM GOOD.—We grow them cool, root them cool, and take our cuttings from blooming stems only, carefully selected, carefully rooted, and carefully packed for shipment. Our stock is in fine health and vigor.

Our prices are \$3.00 per 100 for Scott and Albertini; \$2.50 for Daybreak, and \$2.00 for McGowan. For quantities above 500, write us. Terms cash.

ALEX. McBRIDE,
ALPLAUS, N. Y.

Carnations
to Edward Wayne
of
Kennerly Squ.
Phila.

NEW.

OPHELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$80.00 per 1000.

STANDARD.

	100.	1000
Sweetbrier.....	\$5.00	\$40.00
Helen Keller.....	"	"
Uncle John.....	"	"
Stuart.....	"	"
Buttercup.....	4.00	35.00
Scott.....	3.00	25.00
Daybreak.....	2.50	20.00
Cartledge.....	2.00	15.00
Portia.....	1.50	12.50
McGowan.....	"	"
Fisher (from soil for Summer).....	"	"

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

SEND
ADVS.
NOW
FOR
OUR
SPECIAL
SPRING
NUMBER
TO BE
ISSUED
MARCH 23.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

**PRICE LIST
ROOTED CUTTINGS CARNATIONS, ETC.**

NEW SEEDLINGS 1895.

	Doz.	100.	1000.
Eldorado, yellow, edged pink stock 1' d	\$2.00		
Kitty Clover, a fragrant yellow var.	1.50	8.00	75.00
Enlale, yellow and pink var.	1.50	8.00	75.00
Princess Bonnie, pink var.	1.50	8.00	75.00
Dr. Warder, crimson	1.50	8.00	75.00
Daisy Bell, var., similar to H. Keller.	1.50	8.00	75.00
Lawrence Thompson, pink	1.50	8.00	75.00
Ophelia, pink	1.50	10.00	80.00

The above varieties are all bringing the top price in the Philadelphia market.

GENERAL COLLECTION.

Sweetbrier, pink.....	\$0.75	\$5.00	\$45.00
Helen Keller, variegated.....	.75	5.00	45.00
Purple Gem, magenta.....	.40	3.00	25.00
Wm. Scott pink.....	.40	3.00	25.00
Mme. Diaz, Albertini, pink.....	.40	3.00	25.00
Buttercup, yellow variegated.....	.75	4.00	39.00
Stanley, terra cotta variegated.....	.40	2.50	20.00
Daybreak, light pink.....	.35	2.50	15.00
Thos. Cartledge, dark pink.....	.35	2.00	15.00
Brunus, red.....	.35	2.00	15.00
Cesar, variegated, red and white.....	.35	2.00	15.00
Chester Pride, variegated.....	.35	2.00	15.00
J. R. Freeman, maroon.....	.35	2.00	15.00
Portia, white.....	.35	2.00	15.00
Tidal Wave, dark pink.....	.35	2.00	15.00
L. L. Lamborn, white.....	.35	2.00	15.00
E. G. Hill, scarlet.....	.35	2.00	15.00
Wm. B. Dreer, dark pink.....	.25	1.50	12.50
Nellie Bly, variegated red and white.....	.25	1.50	12.50
Grace Wilder, pink.....	.25	1.50	12.50
Lizzie McGowan, white.....	.25	1.50	12.50
Portia, scarlet.....	.25	1.50	12.50
Mrs. Fisher, white.....	.25	1.50	12.50
Auntie Pixey, pink.....	.40	3.00	25.00
Lots Hackett, white fringed.....	.35	2.00	15.00
Hawa i, yellow variegated.....	.35	2.00	15.00
Angelus, pink.....	.35	2.00	15.00

Marie Louise Violets.....	.20	1.00	8.00
Swanley White.....	.20	1.00	8.00
Lady Campbell.....	.35	2.00	15.00
Giant Double Alyssum.....	.20	1.00	8.00
Coleus, 12 new kinds by mail.....		2.00	
Set of 12.....		.50c	
General list Coleus, by mail.....		1.00	
By express.....			6.50
Red and yellow Verschaffelti and other yellows.....			8.00
Stock plants general list.....		3.00	
Verschaffelti and yellows.....		4.00	

W. R. SHELMIRE, Avondale, Pa.

**Millbrook Lea
GREENHOUSES,**
West Whiteland P. O.
Chester County, Pa.

SPRING TRADE 1895 PRICE LIST.

**CARNATIONS, SWEET ALYSSUM,
VIOLETS, FUCHSIAS,
PETUNIAS, COLEUS.
SWAINSONA.**

J. L. MAULL, Proprietor.
RICHARD JONES, Manager.

Whitford Station, P. R. R.

Send for Circular and price list.

**THE NEW WHITE CARNATION
MRS. MAILANDER.**

THE BEST ALL AROUND MARKET VARIETY.
Per 100 Per 1000
We offer them, 2½-inch pots..... \$6.00 \$50.00
Lizzie McCowan, rooted cuttings..... 10.00
ROSES—Bridesmaids, 2½ inch pots... 3.00 25.00
Brides, 2½-inch pots..... 3.00 25.00
Orders booked for Delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

CARNATIONS.

Healthy, well-rooted Cuttings now ready.
Per 100 Per 1000
Helen Keller, from 2½-in pots..... \$5.00
Scott, Albertini..... 2.50 \$20.00
Daybreak, Tidal Wave..... 2.00 15.00
McGowan, Portia, Wilder, S. Spray... 1.50 10.00
Roses, in 2½-inch pots, Brides, Bridesmaid..... 30.00
Cash with all orders.
A. T. JACKSON, Station X, Bowmanville, Chicago, Ill.
Mention American Florist.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist, December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

NEW CARNATIONS.

BRIDESMAID, bright clear pink	per 100	per 1000
METEOR, deep brilliant crim. scarlet	\$10.00	\$75.00
STORM KING, show white	10.00	75.00
Ready April 1st, 1895.		

UNCLE JOHN, pure white	5.00	40.00
THE STUART, scarlet	5.00	40.00
E. A. WOOD, variegated	5.00	40.00
GOLDFINCH, yellow-edged pink	5.00	40.00
WM. SCOTT, pink	3.00	25.00
DIAZ ALBERTINI, pink	3.00	25.00
DAYBREAK, pink	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Milbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100.

Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON,
La Fayette, Ind.
Mention American Florist.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

CARNATIONS—ROOTED CUTTINGS

\$9.00 to \$25.00 per 1000.

COLEUS—Rooted Cuttings, 75 varieties, my selections, in 40 or 50 varieties, \$4.50 per 1000 by express; 70c. per 100 by mail.

GIANT DOUBLE ALYSSUM, 70c. per 100; \$6.00 per 1000.

LADY CAMPBELL VIOLET, \$1.25 per 100; \$10.00 per 1000.

NO RUST. NO FUNGUS. NO MEALY BUGS.

WM. H. SEARCH, Avondale, Chester Co., PA.

Carnation Cuttings

DAYBREAK, TIDAL WAVE	Per 100	Per 1000
GRACE WILDER, SILVER SPRAY	2.00	15.00
McGowan, HECTOR	1.50	12.00
SWEETBRIER	5.00	40.00

Carnations a specialty, grown cool, no disease, and only selected stock used.

BELL MILLER, Springfield, Ill.

CARNATIONS.

I OFFER TO THE WHOLESALE TRADE A SEEDLING WHITE The choice from over 400 varieties after three years' trial.

KOHINOOR {Mountain of Light.}

It is the best white I have ever grown. Flowers robust, stems long, stiff and erect, flowers full, deeply fringed and extremely attractive, measuring 2 3/4 to 3 inches across without any forcing or disbudding. Comes quickly into BLOOM and CONTINUES PROLIFIC THROUGHOUT THE SEASON.

Flowers 2 3/4 to 3 inches across, on stiff erect stems 2 3/4 to 3 feet long. Of the habit of McGowan but much more prolific; a striking and attractive shade of pure purple, a novelty in color, very taking, and entirely distinct from the purple maroons and so called purples. Price on the above varieties, \$12.00 per 100; \$100. per 1000.

My stock of Standard and New varieties has never been better than at present, and includes:
Sweetbrier, Thos. Cartledge, All at moderate prices, with regular discounts.
Stuart, Caesar, I grow nothing but Carnations, and EXCLUSIVELY for
Wm. Scott, Brutus, Cuttings and Plants My stock is rooted cool and is
Daybreak, Anna Webb, unusually healthy and vigorous.
Buttercup, Ferd. Mangold, Inspection and correspondence solicited.
Blizzard, Mrs. Fisher. Price List on application.

THE PINES.

C. J. PENNOCK, KENNETT SQUARE, PA.
Chester Co.

"THE CARNATIONS"

WM. SCOTT, Rooted Cuttings	Per 100	Per 1000	DAYBREAK, Rooted Cuttings	Per 100	Per 1000
LIZZIE MCGOWAN, Rooted Cuttings	\$3.00	\$25.00	ALBERTINI, Rooted Cuttings	\$2.50	\$20.00
TIDAL WAVE, Rooted Cuttings	2.50	20.00	BOUFON D'OR, Rooted Cuttings	3.00	25.00
				8.00	70.00

Wm. Scott and Lizzie McGowan now ready, in any quantity, from "choicest stock."

Cash with all orders. DAILLEDOUZE BROS., FLATBUSH, BROOKLYN, N. Y.

THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free	\$12.00	\$100.00
ROSE QUEEN—New, fine commercial pink	12.00	100.00
CORSAIR—The scarlet McGowan	10.00	75.00
ALASKA—New, white, large, productive	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet	10.00	80.00
WM. SCOTT—Clear pink, very free	5.00	25.00
GOLDFINCH—The best yellow	5.00	40.00
DAYBREAK—Light pink, fine	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATIONS

Healthy well rooted cuttings now ready.

Wm. Scott and Mme Diaz Albertini	Per 100	Per 1000
Daybreak and Tidal Wave	\$2.50	\$20.00
Lizzie McGowan, Wilder and Portia	2.00	15.00
Buttercup	1.50	10.00
	3.50	30.00

☞ Cash with order. 10c. per 100 extra when shipped by mail.

FERNS—Choice varieties, from 2 to 6 pots \$3.00 per 100

PETUNIAS—Double Fringed, choice varieties, from 2 1/2 inch pots 3.00 per 100

GERANIUMS—Fine Double and Single varieties, from 2 1/2 inch pots 3.50 per 100

☞ Cash with order. Price list on application.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.
Good, healthy stock, well rooted, ready by January 1st, 1895.
Rooted Cuttings GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC. Write for price list.
E. J. CLOUD, Avondale, Chester Co., Pa.

CARNATIONS

HELEN KELLER, rooted cuttings	Per 100	Per 1000
Out of 2 1/2 inch pots	\$4.00	\$35.00
Rooted cuttings of the following varieties	2.50	20.00
Daybreak, Silver Spray, Edna Craig, Lizzie McGowan, Tidal Wave and Portia.		

Also a full line of Florists Seed, all imported, at low prices. Terms Cash with order.

E. HIPPARD, Youngstown, O.

Carnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.
Mention American Florist.

I DON'T THINK.

On this subject, it requires only an ordinary ganglion to disclose the fact that CARNATIONS make stronger, healthier stock when grown cool—on ground beds—and in a new house.
RUST has never visited us (barring Mr. David Rust of the "Exchange"), and clean, vigorous stock of the following list will be at your disposal on and after Feb. 1st, 1895.
Per 100 Per 1000
Opheila, new, large, medium pink \$10.00 \$80.00
Sweetbrier, pink 5.00 45.00
Wm. Scott, pink 3.00 25.00
Daybreak, pink 2.50 20.00
Thos. Cartledge, carmine, scarlet at night 2.00 15.00
Portia, white 2.00 15.00
Lamborn, white 2.00 15.00
McGowan, white 1.50 12.50
Mrs. Fisher, white 1.50 12.50
Portia, scarlet 1.50 12.50

Other standard varieties if desired.
Excellent stock of Lady Campbell Violets now ready.
"THE SLOPE," C. S. SWAYNE,
KENNETT SQUARE, Chester Co., PA.

CARNATIONS.

NOW READY.

Helen Keller, Ada Byron	Sand	2-inch Pots
	\$4.50	\$6.00
Adelaide Kresken, Jacquemhot	4.50	6.00
Buttercup, Daybreak	2.00	4.00
McGowan, Portia, Wilder	1.50	2.50

ROSES. READY FEB. 15.

Bride, Meteor	3.00
Bridesmaid, Perle	3.00

Healthy stock. Special 1000 rates.
Ferns on application—flats, 2-inch pots, etc.
GENISTAS, 2-inch pots \$6.00 per 100
LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES,
GLENSIDE, PENNA.
Mention American Florist.

50,000 Carnations.

ROOTED CUTTINGS.
Ready now. Positively no RUST. Also rooted Mums, Lady Campbell Violets.
Send for Price List.

Wm. Swayne,
P. O. Box 236, KENNETT SQUARE, PA.

NEW CARNATION.

PEACHBLOW.

Dark bluish pink. Rooted Cuttings, \$8.00 per 100; \$65.00 per 1000. Good stock. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now: per 100 per 1000

5,000 BUTTERCUP	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN	1.50	12.00
10,000 TIDAL WAVE	1.50	12.00
15,000 DAYBREAK	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY	1.25	10.00
15,000 AUREA	1.50	12.00
50,000 well rooted runners of LADY CAMPBELL Violets	1.25	10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

Cincinnati.

The past week has been a brisk and busy one for the florists. There have been many entertainments and social gatherings and lots of funeral work, and all good stock was sold at fair prices, in fact some days it was difficult to get enough of some kinds to fill orders. Prices, however, did not advance, and remain about the same as last week.

Carnations sell well, and although quantities of fine flowers are coming in the price holds up well, the prevailing price for good stock being \$2, with a few extra, such as Daybreak and Scott, being \$2.50 and \$3. Violets threaten to become a glut. This stock is very fine at present and the demand is still heavy, but the cut is so large that it is difficult to dispose of the whole. The finest stock can be bought for \$1 and very fine quality at from 50 to 75 cents. Callas are overstocked and are often sold at a sacrifice. HARRISII are holding their own this season; with a liberal cut every flower was marketed at a good price. Last year at this season you could hardly give them away. We hope to see no such glut again, but Easter is very late this year, and a number of batches which are intended for Easter trade will surely come in several weeks too soon.

Bulbous stock is much more plentiful, except Romans and valley, which are still rather scarce. Tulips are coming in fine and so are Dutch hyacinths and Von Sion; Trumpet Major goes very slow. Common wood ferns are still very scarce and sell at 25 cents per 100. Smilax holds stiff at 20, and extra heavy at 25.

In roses supply and demand are about equal. Perle, Bride, Bridesmaid and Mermet are about the most plentiful varieties and are generally good. Some fine Neyrons are in, and also Brunners. Good Jacqs are scarce. There is not a great supply of Beauties. The Hoffmeister Floral Co. are cutting about the best. It is not expected that there will be any scarcity of flowers at Easter. Although a good trade is anticipated it is likely that there will be plenty of flowers to fill all demands.

The sale of the property and green-houses of the Huntsman Floral Co. was postponed for three weeks. P.

PRINT YOUR spring trade list in our special spring number to be issued March 23. We can save you money and give you better service too.

Send advs. now for our Special Spring Number to be issued March 23. No increase in rates.

GEO. H. CHANDLEE. H. C. CHANDLEE.

PATENTS
Trade-Marks. Caveats, Etc.
CHANDLEE & CHANDLEE,
Patents and Patent Causes.
ELECTRICAL AND MECHANICAL EXPERTS.
Polack Building, Atlantic Building,
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TOMATO. WOODBURY'S Cross Bred Peach. Six fine new varieties mixed. Some growing 3 in. in diam. Pkt. 10c.
PANSY. Finest German mixed. Finest French mixed. Price, 5,000 seeds, \$1; oz. \$3.50. Ask for list and testimonials.
DAVID B. WOODBURY, Originator, Paris, Maine.

CHRYSANTHEMUMS

FOR IMMEDIATE DELIVERY.

We offer the following varieties in good strong plants.

NOVELTIES. OUR OWN SET.

	Each.	Per Doz.	Per 100.
J. H. TROY, white.....	50c	\$5.00	\$35.00
J. E. LACER, yellow.....	50c	5.00	35.00
W. B. DINSMORE, golden yellow.....	50c	5.00	35.00
MRS. W. A. BRYANT, chrome-yellow.....	50c	5.00	35.00
F. L. ATKINS, white.....	50c	5.00	35.00
MRS. HENRY ROBINSON, white.....	50c	5.00	35.00
MISS GEORCIANA PITCHER, yellow.....	50c	5.00	35.00

STANDARD VARIETIES.

	Per 100		Per 100
Achilles, white, shaded pink.....	\$5 00	Mrs. E. G. Hill, pink.....	\$5 00
Baron Hirsch, cinnamon red.....	5 00	Mrs. Geo. West, rosy pink.....	5 00
Col. W. B. Smith, bronze.....	4 00	Mrs. Jerome Jones, white.....	5 00
Dorothy Toler, pink.....	6 00	Mrs. Marshall Crane, white.....	6 00
Georgienne Bramhall, primrose yellow.....	6 00	Mlle. Therese Rey, white.....	5 00
Golden Gate, bronze.....	5 00	Mutual Friend, white.....	6 00
Ivory white.....	4 00	Major Bonaffon, yellow.....	5 00
Miss Bessie Cummings, white.....	4 00	Marie Louise, white.....	5 00
Miss Florence Pullman, white.....	6 00	Niveus, white.....	4 00
Mrs. Geo. M. Pullman, yellow.....	8 00	Pitcher & Manda, yel. center, white margin.....	5 00
Mrs. Walter Cutting, white, shaded pink.....	4 00	The Queen, white.....	4 00
Mrs. J. G. Whilldin, yellow.....	4 00	W. H. Lincoln, yellow.....	4 10
Mrs. W. K. Vanderbilt, white.....	6 00	Wm. Seward, crimson.....	4 00
Mrs. H. McK. Twombly, white.....	6 00	Vivand-Morel, pink.....	4 00
Mrs. Geo. H. Morgan, yellow.....	6 00	Yellow Queen, yellow.....	4 00

ORDER NOW, BEFORE STOCK IS EXHAUSTED.

Pitcher & Manda, (Inc.) Short Hills, N. J.

CHRYSANTHEMUMS.

Standard Commercial Varieties
CHEAP.

Write for list.

HUNTSMAN & CO., 247 Race Street, Cincinnati, O.

THE New Chrysanthemum

"PHILADELPHIA"

Will undoubtedly be the leading variety for the cut flower or exhibition the coming season.

If you have not ordered yet, do so promptly. It will pay you.

HUGH GRAHAM,

1204 Chestnut St., PHILADELPHIA.

The greatest Prize Winner ever raised.

50c. EACH; \$35.00 PER 100;
\$100.00 PER 500.



Trees, Shrubs,
Vines, Dahlias, Asparagus, &c.
A full line of

NURSERY STOCK.

Our new trade list for 1895 now ready. send for one.

THE WM. H. MOON CO.,
Morrisville, Pa.

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Chrysanthemums AND Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.
Mention American Florist.

ROOTED CUTTINGS CHRYSANTHEMUMS

All the best new market sorts, 60c per doz.; \$4 per 100.
Best market sorts of previous years, 35c per doz.; \$2 per 100. Ready for delivery Feb. 1st. Also
SMILAX, 2½-inch pots, \$2.00 per 100; \$15.00 per 1000.
Address J. G. BURROW, Fishkill, N. Y.
When writing mention the AMERICAN FLORIST.

Send advs. **NOW** for our Special Spring Number to be issued **March 23.** No increase in rates.

VOLUME IX

.. OF THE ..

AMERICAN FLORIST BOUND

in Half Leather. A valuable reference book of 1276 pages, bound in style uniform with preceding volumes.

PRICE \$3.50 by Express not prepaid.

AMERICAN FLORIST CO.,

P. O. DRAWER 164. CHICAGO.

E. G. HILL & CO., Richmond, Indiana,

Offer to the trade the finest stocks of Chrysanthemums, both old and new, ever presented. Our plants have never had a touch of the dread disease which has worked such havoc in many places. We send out healthy stock, propagated from outdoor grown stools which will produce just such blooms as we exhibited last autumn.

EARLY FLOWERING SORTS.—Mme. Bergmann, Yellow Queen, Mrs. E. G. Hill, and Mrs. Whilldin, all at \$4.00 per 100, or 600 for \$15.00.

COMMERCIAL CUT FLOWER VARIETIES. Per 100.—Dailledouze, \$4.00; Bannafon, \$5.00; Judge Benedict, \$4.00; C. Chalfant, \$4.00; G. W. Childs, \$5.00; Inter Ocean, \$5.00; Ivory, \$4.00; Jessica, \$3.00; L'Enfant, \$4.00; Malmaisou, \$6.00; Minerva, \$5.00; Mutual Friend, \$4.00; Niveus, \$4.00; Queen, \$3.00. An immense stock of the above. Varieties like *Amor*, *Judge Benedict*, *Minerva*, *Charlotte*, etc., are suited for single stem plants. We will be glad to make selections for this purpose at very lowest living rates. Will also gladly make selections for large pot specimens.

EXHIBITION BLOOMS.—Keep abreast of the times. You need the introductions of last year if you would have the best results. We can make you a splendid selection.

CALVAT'S celebrated Novelties have won first honors at all the English shows; we can send you his set of 33 varieties for \$7.00.

THE NEW ENGLISH SORTS of last year contain varieties of exceptional merit. If you want the finest Exhibition sorts you will have to include many of these; you can tell which from the descriptions. The full set of 37 sorts for \$5.00.

We have made our prices to suit the times. Did you get our list? If not, we will be glad to send it.

E. G. HILL & CO., Richmond, Indiana.

AMERICAN NOVELTIES OF 1895.—We would like to select and send you the best 12 for \$5.00, to include Philadelphia and 11 others from our own, May's, Spaulding's, P. & M.'s, Smith's, Dorner's.

GENERAL ASSORTMENT. We will send 1000 choice Chrysanthemums, our selection, for \$25.00. This would include a complete outfit of varieties, suited for all purposes.

Send for our Trade List if you have not yet received it. We have a very fine line of Novelties all the way through. The new **GERANIUMS** are magnificent; *Mme. J. Chretien*, *Deuil de Miribel*, and *Juliet* will delight you. The new English and French are fine improvements—19 varieties for \$6.00, 12 of them fine double sorts. 12 grand new Ivy Geraniums for \$3.00.

Two fine new Acalyphas. Two grand Abutilons, *S. de Bonne* and *Fleur de Neige*. An elegant line of best Cannas. The new *Dracæna Sanderiana*, *Helianthus*, *Soleil d'Or*, *Hydrangea Otaksa Monstrosa*.

A very fine collection of strong sturdy growing Double Petunias, large, finely fringed, at \$3.50 per 100. We have a very large stock of them.

FORCING ROSES—Carefully grown—*Perle*, *Sunset*, *Bride*, *Cusiu*, *La France*, *Meteur*, *Wootton*, *Watteville*, *Albany*, *Gontier*, at from \$3.00 to \$4.00 per 100, according to variety. An immense stock of clean, healthy American Beauty, ready now, at \$6.00 per 100.

A New Canna! "THE PROFESSOR."

We take pleasure in offering this Canna to the Trade, and feel sure that it will please all who purchase it. It originated with me, has been tested on my grounds for the past three years, and has been very highly spoken of by all who have seen it.

The foliage is a very dark purple, nearly black, and colors up well in the full sun. The flowers are of fair size and substance, and of a deep crimson color; they are by far the best we have seen in the dark foliage section of this popular plant.

Its habit of growth is dwarf, and its average height is about 3½ to 4 feet.

We consider this Canna a valuable acquisition and hereby offer it for the first time.

Price for started plants from pots (ready after March 15, 1895), 75c. each; \$7.00 per doz.

N. B.—All orders will be filled strictly in rotation.

SEAWANHAKA GREENHOUSES,

P. O. Box 34. Oyster Bay, Queens Co., N. Y.
Mention American Florist.

ACME PLANT FOOD.

A Special and Complete Fertilizer for all kinds of Fruits, Vines, Plants, Flowers and greenhouse use. Put up in boxes of 1, 2¼ and 5 lbs. each.

ACME Special Grass or Lawn Food.

Will keep a lawn green the whole year. Put up in cloth bags of 5, 20, 50 and 100 lbs. each.

ACME Garden Vegetable Food.

Put up expressly for all kinds of Vegetables in cloth bags of 5, 20, 50 and 100 lbs. each.

WANTED—Responsible Agents in every City to sell my Acme Special Fertilizers which are put up by experienced men. Send for price list. Discount to Agents.

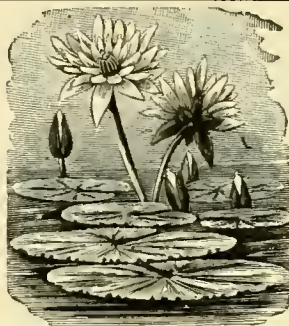
HERMANN RÖLKER,

Manfrs. Sole Agent.

218 Fulton Street, NEW YORK.

LOW RATES SOUTH.

March 5th, April 2nd and April 30th tickets will be sold via Chicago & Eastern Illinois Railroad to various points in Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Virginia, and to points in Florida west of River Junction, at one fare for the round trip. For tickets and information apply to your nearest agent, City Ticket Office C. & E. I. R. R., 230 Clark St., Chicago, and C. W. Humphrey, Nor. Pass. Agent C. & E. I. R. R., St. Paul, Minn.



THE WATER GARDENS.

VICTORIA REGIA AND V. RANDI,
NELUMBIUM SPECIOSUM (Egyptian Lotus);

WATER LILIES,

Hardy and Tropical in all colors, day and night blooming varieties.

CATALOGUES FREE.

WM. TRICKER & CO., CLIFTON, N. J.

NEW	MIGNONETTE Miss Helen M. Gould.	NEW	MYOSOTIS Star of America.	NEW
Per Packet 50 cents. Complete description in our Florists Price List.				
NEW	CHAS. SCHWAKE, 404 E. 34TH STREET, NEW YORK.			NEW

"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots, \$3.00 per 100.

CHRYSANTHEMUM

GEO. S. CONOVER, the best EARLY BLOOMING, large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$3.00 per 1000.

HYDRANGEAS, GENISTA CANARIENSIS and AZALEAS for Easter blooming. Prices on application.

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HELIOTROPE.....	\$1.00
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HELIOTROPE, from 2-inch puts.....	1.50

CASH WITH ORDER.

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Baltimore.

We haven't had any Gould wedding nor any extra elaborate affairs floral of any other kind here, but still, somehow or other, the coal pile is replenished and other little incidentals provided for. There is not the slightest suspicion of a glut of any kind of flowers, unless, possibly, violets, which have a decidedly downward tendency in price and are becoming very, very plentiful. Fine ones can be had at 35 cents, and now and then a lot of very good ones at 25 cents a hundred. Whether we have the present trade or not we have great expectations; for, he it known to all men, we will have the greatest exposition of the century here in two short years. The site, one of the most beautiful and suitable of the many surrounding our city, has been selected, and in 1897 we will expect all our brother florists to come around and see what we can do in landscape and architectural effects.

Carnations are coming in freely, of very fair quality, for one cent, and fine for one and a half. Smilax is quite scarce. Roses are bringing good prices still, and are bought up as fast as offered. Romans and bulbous stuff generally shows a marked falling off in quantity from last year. Some very fine azaleas are shown in the windows of Charles street florists, notably Mrs. Thomas' and Feast's. The weather has been extraordinary; one day, the first of March, would have passed muster as a warm day in May, but by the fifth the mercury was again trying to get inside of itself, a trick it is getting a habit of this winter. MACK.

Worcester, Mass.

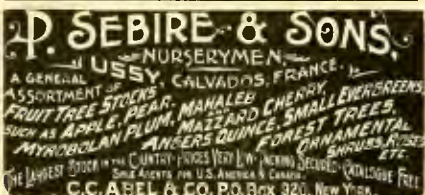
Thus far Lent has caused no noticeable decrease in demand, and prices remain regular, with but few fluctuations. Good bulbous stuff is plentiful, but the quantity of tulips coming in seems to diminish yearly. Good roses are in fair supply, and very fine carnations are cut in large quantities, with the exception of scarlet, and are bringing extra good prices. Violets are plentiful, wholesaling for 75 cents; smilax and asparagus rather short.

Burton W. Potter read an interesting paper on "The preservation of our florists." A. H. L.

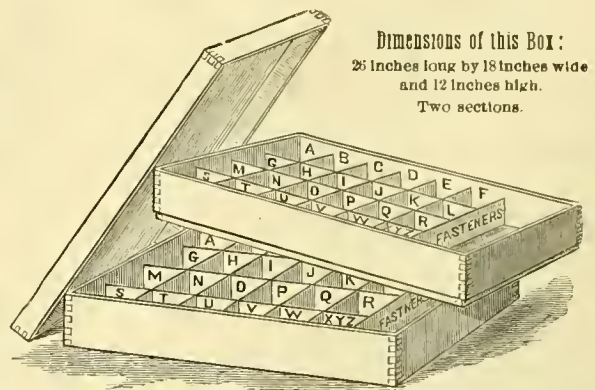
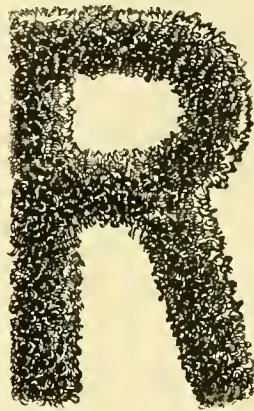
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Dimensions of this Box: 26 inches long by 18 inches wide and 12 inches high. Two sections.

This wooden box nicely stained and varnished, 18x30x12" made in two sections, one for each size letter, given away with first order of 500 letters.

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OUR NEW SCRIPT LETTER, \$4.00 per 100.

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Is unreliable because it depends upon the elements for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

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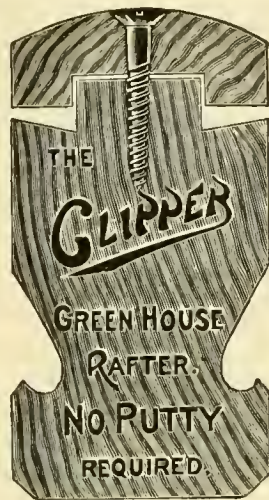
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Showing the appearance of the Binder when quite full of THE American Florist. Every subscriber should have one.

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A Different Letter Every Week

OVID, MICH., Nov. 3, 1891.
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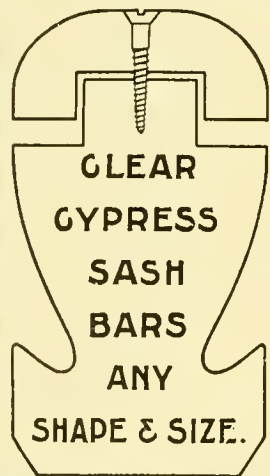
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SASH
BARS
ANY
SHAPE & SIZE.

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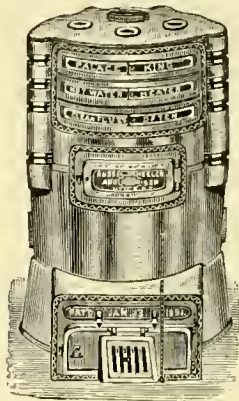
Send for price list and samples (which will be sent free), and we know you will give us your order.

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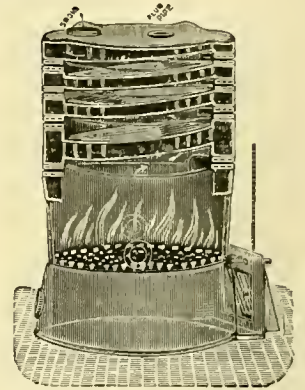
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STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

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We desire to announce the dissolution of the firm of Sipfe Doppf & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppf and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all. Send for price list and samples and we know you will give us an order.

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We will furnish you with prices on application, and will fill all orders promptly. Our Pots are excelled by none in the market.

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OUR POTS ARE OF THE BEST QUALITY.

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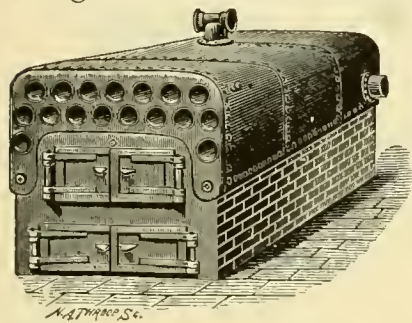
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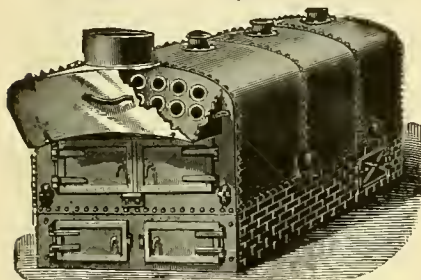
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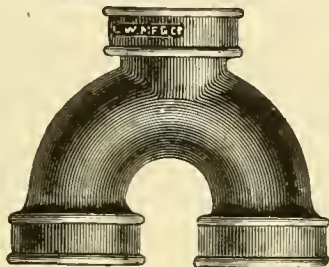
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THE GREAT ANTIPEST.

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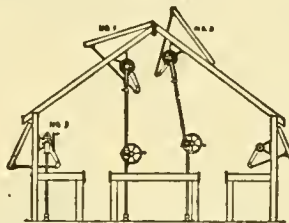
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The florist's friend in working and prices.



No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform on 100 foot houses. A new device.

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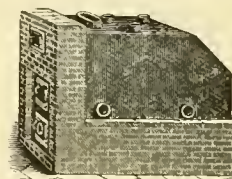
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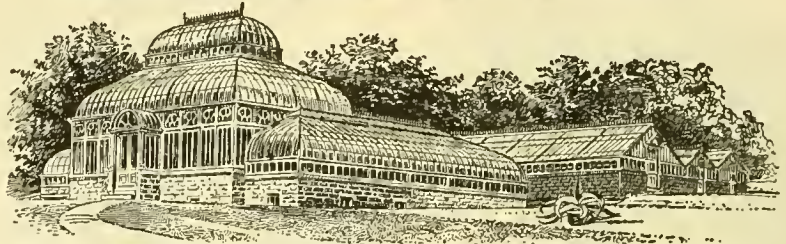
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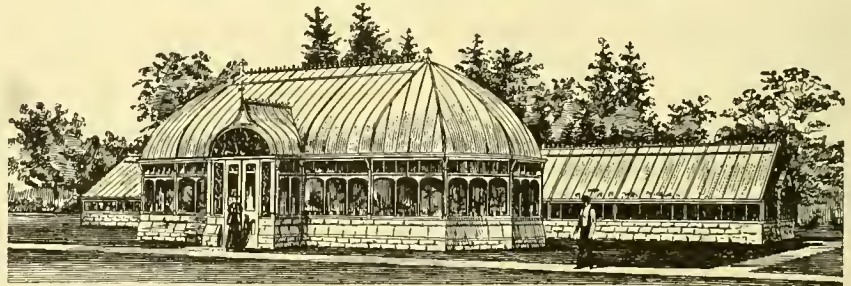
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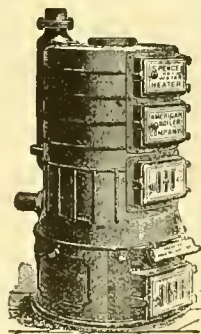
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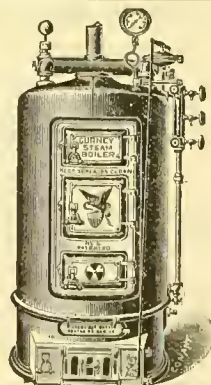
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HOLLIS L. I., N. Y.—Richard Loebn is just starting in the business here, having built four three-quarter span houses, 18x100 for growing carnations and bulbs.

DIXON, ILL.—Davis & Baird are preparing to build next month three short-span-to-the-south houses, one 16x100, one 18x100 and one 20x100.

MISCHIEF IN TOBACCO STEMS.—There has been more or less complaint among growers the past season of injury resulting from the use of tobacco stems which had apparently been treated with chemicals. Doubtless many inexplicable crop failures might be traced to this cause, and a little watchful precaution on the part of those using tobacco stems about their greenhouses would be advisable.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. X.

CHICAGO AND NEW YORK, MARCH 16, 1895.

No. 354

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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IF YOU have not already sent an advertisement for our special spring number mail it at once on receipt of this issue.

EAST HARTFORD, CONN.—Wm. Atkins has added a 70-foot extension to his carnation houses.

MONTPELIER, VT.—H. J. Curtis has taken possession of the greenhouses formerly run by T. Percival.

GALESBURG, ILL.—P. B. Allison and C. L. Algren of Ottawa, recently purchased 10 acres of land here upon which they intend to build a range of greenhouses and grow cut flowers.

DO YOU WANT a complete alphabetical list of carnations in commerce in America, with name of introducer, date of introduction and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

Society of American Florists.

EXECUTIVE COMMITTEE MEETING AT PITTSBURG.

The usual session of the executive committee to formulate a program and take other preliminary steps in anticipation of the annual convention next August, which was held at Hotel Anderson, Pittsburg, on Tuesday and Wednesday, March 12 and 13, was made the occasion of a delightful entertainment in the form of a reception and banquet tendered by the Pittsburg and Allegheny Gardeners' and Florists' Club on Tuesday evening. The tables were profusely decorated with baskets of flowers contributed by the big-hearted members of the local fraternity, and the mantels banked with rich masses of cyclamens, cinerarias and other showy plants. There were about sixty participants, and the usual good feeling prevailed, the whole proceedings being replete with kindly greetings to the visitors, and promise of cordial co-operation in the plans for a grand reunion next August.

Mr. A. W. Bennett, president of the local organization, presided, and on his right and left were seated toastmaster A. C. Robertson, Mayor McKenna, of Pittsburg, Mayor Kennedy, of Allegheny, and several other high officials of the sister cities, alternated with the visiting guests. The toastmaster proved to be of the silver-tongued sort, a perfect ideal, quick, witty and happy. In his opening remarks he confessed that although a lawyer by profession he was a florist at heart. The florists, he said, are engaged in the propagation of species and specie, their interest in the former depending somewhat upon their success with the latter, but nevertheless they have done a great and noble work for the masses of humanity. He knew of nothing so humanizing as a bouquet of flowers, and bestowed high praise on floriculture as an occupation.

President Lonsdale responded for the Society of American Florists. He voiced in a feeling manner the appreciation and thanks of the visitors for the hospitality they were enjoying, and predicted a great success for the coming convention. Mayor Kennedy, of Allegheny, was the next speaker, and he spoke eloquently of the refining and elevating influence of flowers, and warmly seconded the words of welcome spoken by the chairman and toastmaster.

The auxiliary societies had a spokesman in Mr. Patrick O'Mara, of New York. He gave a brief account of the origin and growth of these organizations, and advocated a closer union between them and the parent society, as calculated to bring prestige to them and strength to the S. A. F. Mayor McKenna, of Pittsburg, was then introduced as the "star of the evening," an official who "had never yet put a veto on anything per-

taining to our interests." He promised to do all in his power to make the welcome to Pittsburg next August a notable one. He would extend the freedom of the city to the visitors, and assured them that no city in the Union is prouder to receive the florists of the United States than is Pittsburg.

"A delegate from the city where the winds do blow," was the introduction which brought Mr. W. N. Rudd, of Chicago, to his feet. Mr. Rudd said that he was afflicted with a grievance, and cut to the heart by a conversation he had overheard an hour or two previously in which the toastmaster had said: "I'll guarantee Rudd can't make a speech, so we can save time by calling on him," and amid much merriment he assured the toastmaster that he would fall in with his wishes and attempt no speech.

"The usefulness of florists' societies," was the subject assigned to Secretary Stewart, who made a characteristic response, and in closing said that had President Cleveland enjoyed a better knowledge of these organizations and their noble mission he would never have vetoed that florists' charter. Mr. Harry Ford, chairman of the Select Councils of Pittsburg, then spoke of the relations of municipal bodies to park improvements. He spoke in high praise of Mr. E. M. Bigelow, director of public works, who was unavoidably absent from this banquet, without whose untiring energy the park system of Pittsburg would never have existed. He also told of the noble gifts of Henry Phipps, and congratulated the city on having secured Mr. A. W. Bennett as the head of its park improvements, whose efforts and work were worthy of the highest praise. He also extended an invitation for the visitors to inspect the new Carnegie Library.

Mr. E. A. Wood then sang, "Jingle Bells" with characteristic spirit, and followed it up with a speech which was the shining event of the evening. His witty sallies at the good-natured toastmaster put the whole crowd in a condition bordering on hysterics. Speaking of the abuse of flowers, he asserted that the fashions in flowers to-day are set by the florists, and that if they are abused and good taste offended the florists are alone to blame. He was followed by Mr. W. C. Connelly, who represented the associated press, and promised that its full share would be done to make the August meeting a success.

The following resolution was then offered by Mr. Patrick O'Mara and unanimously adopted.

WHEREAS, The Executive Committee of the Society of American Florists and the Pittsburg and Allegheny Gardeners' and Florists' Club, in joint session, believe it is eminently meet that they should ve expression to their high appreciation

of the noble gifts of Mr. Henry Phipps to horticulture; therefore be it

Resolved, That we tender to him on our own behalf and on behalf of the Society of American Florists, their sincere thanks, and beg to assure him that they will use their best endeavors to second him in his noble efforts to advance and ennoble horticulture.

It was ordered that a copy of this resolution be properly engrossed and presented to Mr. Phipps. A vote of thanks to the jolly toastmaster and for the invitation to the Carnegie Library was then passed, and it now being past two o'clock a. m. adjournment was made to the tune of "Auld Lang Syne."

There were in attendance at the meeting the following gentlemen: President Edwin Lonsdale, Secretary W. J. Stewart, Treasurer H. B. Beatty and Messrs. Patrick O'Mara, W. N. Rudd, J. C. Rennison, Elijah A. Wood, Jackson Dawson, Grove P. Rawson, H. H. Battles, John Burton, E. G. Hill and Geo. C. Watson. Several lots of handsome flowers were sent in to adorn the committee room, among which were the rose Mrs. Pierpont Morgan and carnations Dean Hole and Maud Dean from J. N. May, rose Belle Siebrecht from Siebrecht & Wadley, carnation Jubilee from E. G. Hill & Co., *Antirrhinum majus album* from W. K. Wood, and carnations Uncle John and Daybreak from Chas. M. Fick. On Wednesday afternoon the visitors were escorted to Schenley Park, where they viewed with delight the splendid greenhouses and their contents, and also the almost completed building of the Carnegie Library.

Budding and Grafting.

BY JACKSON DAWSON.

[Abstract of a paper read before the Mass. Horticultural Society, March 9.]

The object of the grafting processes, Mr. Dawson said, is to perpetuate, and to multiply in the shortest time possible, choice fruit, ornamental or otherwise useful trees and shrubs, which do not reproduce themselves by seed, or only by very slow growth. By this art, old and worthless fruit trees can, in a very few years, be made to produce an abundance of superior fruit, and strong seedling stocks can be brought to fruitfulness in half the time that choice seedlings or rooted cuttings would require to reach the same result.

The art involves certain physiological principles which must be observed to secure success. There must exist an affinity between the stock and the scion, or there can be no perfect union. While the stock should be more vigorous than the scion, it should not only furnish sap that the scion leaves can successfully elaborate, but only to such amount as those leaves can properly convert into wood and fruit material; failure in either office will result in the death of the scion. This is why evergreens do not succeed on deciduous stocks, and vice versa. A stock suited to one temperature cannot sustain a scion adapted to either a higher or lower temperature. Again, where a stock and a scion naturally start into growth at different times of the year, they cannot thrive together. Thus, the law of affinity is absolute.

The best season for grafting out of doors is in the spring, when the sap is in motion—from March to June. Under glass the best time is from August to the end of September; the same time if half-ripened wood is used but with dormant wood from December to the end of March. Midsummer grafting is rarely successful.

In all grafting it is better to have the stock in a little more forward stage of growth than the scion. It is not safe to use scions that have started into growth, in outdoor grafting, unless each can be well shaded until union with the stock has been accomplished. The stone fruit trees should be grafted first in the spring; afterwards the pear and apple trees.

The tools are a saw, a pruning knife, a grafting iron or wedge; a budding knife, a pair of good pruning shears, a whetstone for the knives, a bunch of raffia, bast, or waxed cloth for tying scions in place after they are set; some kind of grafting wax, to cover wounds and protect them from drying, from water, or other injury. This wax may be composed of four parts common resin, two parts beeswax, and two parts mutton tallow, melted together. When cold it can be applied by hand, or if melted, laid on with a brush. The wax, melted, is also spread on cloth, which, when cold, is cut or torn into narrow strips and used to tie the small stocks after the scions are set. Prepared wax can be bought—Trowbridge's grafting wax is very good.

Scions from hardy trees should be cut while in a dormant state, from January to the middle of March. But those from slender-stemmed plants, whose wood is liable to injury by freezing, should be cut in early autumn, and heeled in, either in loam, sand or moss, in a moist pit or cellar, but the wood of such scions should be healthy, of medium or fine texture, and thoroughly ripe. Except in case of old and scarce or new and rare varieties, never use fruit buds for budding, as they produced relatively unsatisfactory shoots. On the other hand, stock trees should be carefully pruned in order to produce good scions, and also good wood in which to set the scions.

Budding consists in taking from one tree or plant a bud, with a portion of bark attached to it, and inserting it in some other part of the same tree or plant, or in some other one. The best buds to use are those near the middle of the shoot. These are neither too weak nor too gross. The blades of the leaves should be cut away at once. The operation includes making a longitudinal incision through the bark of the stock, and at the upper end of this incision a cross cut is made, thus: T. This is done when the sap is most active, and the corners of the cut bark can be readily separated from the wood, and raised far enough to allow the insertion of the bark attached to the prepared bud. The raffia, bast, or waxed cloth bandage is then wound upon the stock, both above and below the bud. The abundance of sap furnished by the stock, affords the nourishment the bud requires, and its growth is almost a certainty, unless the bud is allowed to become dried before being inserted. Shield budding differs from the above in making four cuts in the bark, above, below, and on either side of the bud. The bark is cut upon the stock in the same manner and size, and removed, then the bud is lifted from its bed, with the surrounding bark and quickly set upon the stock and bound there with bast or waxed cloth. These bindings on set buds should be examined within a few days to see that they are not strangling the stock.

Methods of grafting are numerous; each propagator has a favorite one, but skillful propagators use the best methods, which may be summed up as follows:

Inarching—grafting by approach—was originally a work of nature, copied and improved upon by man; and was a common practice in the first half of this

century, especially with azaleas and camellias. For out-door work the early growing season is the best; under glass all seasons serve. The method involves the removal of a strip of bark and cambium from both stock and scion, bringing the cut surfaces together, so as to fit exactly, and binding them firmly with bast. Cover the wounds with grafting wax. Sometimes only an incision is made in the two stems and the wounds brought together, bound and waxed. Sometimes the stock is cut off, a V cut out, and the scion plant stem fitted into it; thus are weeping plants inarched upon high standards.

Side grafting. In this process the scion is prepared with a long splice, cut smooth to the bark. From the stock a thin slice of bark and wood is taken, of the size to match the cut of the scion, which is then set in place and firmly bound there. Another case is where the scion is cut wedge-shaped on one side. The stock is cut into on one side to the cambium, and the scion is thrust into the incision so as to adjust the cambium of each to the other, then bound as in other cases. This can be done with either woody or herbaceous plants under glass.

Cleft grafting. This term is applied when a branch is sawed off, the stock made smooth with a knife and split a little way with a chisel, and the scions, after being cut wedge-shaped, inserted in the cleft, carefully adjusting the cambium of the scion to that of the stock. Generally a scion is set in both extremities of the cleft, and if the stock is rather large, two clefts are made and two scions set into each. If the pinch of the cleft is too strong for the scions a short wedge is inserted to correct that fault, then the wound is coated with the grafting wax.

Crown grafting. In this operation the stock is first headed down some weeks previous to grafting. When the work is to be done the scion is prepared by a flat sloping cut on one side. The stock is treated as in budding by a longitudinal cut through the bark, the latter raised on each side and the scion thrust down under the bark, then carefully tied. Another method is to cut half-through the scion, just below a bud, and remove the wood. From the stock remove a portion of the bark, adjust the scion upon the top of the stock, coat with wax, and bind with wax cloth.

Saddle grafting. The stock is cut on both sides into wedge shape, and the scion is cut as an inverted V. This requires skill and time, to secure proper adjustment of the parts; but it is used mostly in grafting rhododendrons, which make it worth while.

Tongue, or whipgrafting. In nurseries where stocks of seedlings one to three years old are used this method is most practised. The stock and scion are of nearly the same size; each is cut with a long, smooth slope, then a split is made in each about half-way on the cut; the tongue of each is thrust into the cleft of the other, forming a tongue, or splice-graft, which is bound in waxed cloth. The trees are then heeled in boxes, in sand or sifted loam, and stored in a moist cellar until spring. They are then brought into a warm place, and on showing signs of growth are planted in nursery-rows covering the graft to the first eye.

Root grafting. Plants that are difficult to grow from cuttings, can be successfully grafted upon pieces of their own roots or those of some other plants. Any of the above methods can be adopted in this work. In cutting the roots to be used, be careful to keep the neck-end (that nearest



BOX FOR FUMIGATING PLANTS WITH CARBON BISULPHID.

the root-crown) up for use. The pæony, bignonia, wistaria, rose, hydrangea, clematis, chestnut, plum, pear, apple, dahlia, magnolia, and others succeed well by this method. When a new plant is received, if it will not readily propagate in usual ways, try it on its own roots. "I have succeeded in this way," said Mr. Dawson, "after many failures by other methods."

Veneer grafting. This is one of the best means of propagating hard wooded plants under glass. It can be practiced from November to April, and from August to October. Plants should be established in pots. Seedling plants are best. They should be potted in early spring, plunged in frames, or a sheltered place, watering and pruning them until wanted for use. In grafting, select a smooth portion of the stem of the stock; with a sharp knife make a crosscut, downwards, cutting through the bark and slightly into the wood. From a point two inches above cut a thin slice of bark down to the crosscut. The scion is to be cut in the same way to the lower end; then fitted to the stock, having the two cambiums meet, and securely tied in its place. Put them in close frames in the greenhouse, sprinkle them overhead, when necessary, to keep a moist atmosphere. As soon as they begin to knit together, air can be given morning and evening; after a week or two more air can be kept on all day. The time to effect union varies much with the different kinds of plants. Two to four weeks after the scions have united, the plants can be taken out of frames, but remain in the greenhouse a month or more before planting out, or put into winter quarters. When sure the scions are set, transplant them from pots to

boxes, as closely as possible. When established, put them in a sheltered place outside to harden them off. When no double frames are at hand, the plants are placed in a bed of sphagnum moss three to four inches deep.

All coniferous plants are much more easily propagated by veneer grafting than by any other method. Their treatment after grafting is similar to that of other plants.

The Treatment of Greenhouse Plants With Bi-Sulphid of Carbon for the Destruction of Red Spider and Aphides.

From the fact that some field experiments with bi-sulphid of carbon, have yielded encouraging results in the treatment of Cucurbs for the destruction of aphides, it appeared not improbable that the same agent might be employed for a similar purpose in the greenhouse. Since the red spider, *Tetranychus telarius*, is perhaps, one of the most difficult to control, especially where sub-irrigation is practiced, and the drenching of the plants, heretofore the chief means of control, becomes impracticable, our first experiments were directed towards this pest. The infested plants were, in this case, greenhouse violets, but later on further experiments were made with lettuce and chrysanthemums infested with the aphides common to these plants.

The possible effect of carbon bi-sulphid upon the plants under treatment was an important consideration, as an excess of the insecticide might result in injuries equal to those caused by the insects. The physiological effects upon both plants and insects are dependent upon two

factors, viz., the density of the vapor and the length of time during which both are subjected to its influence. Hence, it is to be understood that the notes cover the results in respect to both plants and insects.

The apparatus was designed to be used to cover plants in benches or to enclose moderately large potted plants. It consisted of a box having an upper and lower part, as shown in the accompanying figure. Each section of this box had a cubic capacity of about 3 feet; the upper section was provided with two glass sides, the lower edges being grooved so as to admit a corresponding tongue on the upper edge of the lower section. The carbon was introduced through a stationary glass tube inserted in a hole in the top of the box, the lower end of this tube being provided with a sponge to retain the carbon while it was evaporating, the upper end being closed with a cork stopper in order to retain the fumes. In all of the foregoing experiments the upper portion was used exclusively in applying the insecticide, while the lower portion was employed in isolating without confining the plants after treatment. We began by applying one-half drachm, and removing the box at the end of two hours; spiders were at first stupefied, but no other effect was apparent, and extending the time to sixteen hours, the result did not differ from the first. One drachm was next tried for two hours without injury to the plants, and with favorable effects upon young spiders and such as were unprotected by the position of the lower leaves. The same amount for four hours left very few living spiders, even when examined several hours after the removal of the box, being chiefly on plants in close proximity to others untreated. The next trial was with one drachm, followed at the end of an hour by one-half drachm additional. Result after sixteen hours did not differ from that previously secured; but one of the plants thus treated was immediately covered for three hours longer with a bell glass, after which it showed injury to lower leaves. On the following day the injury to the leaves was still more apparent, while the number of living spiders present plainly indicated that the experiment had failed to destroy them. The amount was then increased to three drachms, applied in two equal parts at intervals of an hour, and the box allowed to remain over the plants nine and one-half hours. After twelve hours, during which the plants were left uncovered but enclosed by the open section, examination revealed no preceivable injury to plants and no living spider. Nine hours later a few of the leaves showed slight injury, but live spiders were still absent, which was true also forty hours later. A day later there were a few living spiders on the plants, which were apparently uninjured. These conditions after three days remained unchanged. Since the practical limits appeared to have been reached, it was not advisable to carry the experiments further, with the red spider. Lettuce plants growing in benches in greenhouse were similarly treated, and while the insects were readily killed, it was not found possible to do this without injury to the edges of the leaves, thereby rendering the plants unsalable.

With pelargoniums infested by aphides, one-half drachm carbon bi-sulphid, for three hours, was found to be thoroughly effective in destroying the insects without injury to the plants. Chrysanthemums infested with the ordinary brown aphid so common on these plants, were treated

with one drachm for two hours, this destroyed the insects without affecting the plants, which were in this case tender shoots brought directly from the cellar in which they were being wintered, and would therefor probably be more susceptible to injury. Cinerarias were treated in precisely the same manner, also for aphides, and with both these and the chrysanthemums, the experiment seemed an unqualified success.

The accompanying illustration shows the complete box as used to enclose large potted plants. It would seem that this method of treatment admits of application to a greater or less degree, according to circumstances. The results indicate very little danger to ordinary greenhouse plants from the use of the vapor of carbon bi-sulphid. We were assisted in these experiments by Mr. W. A. Porter, and the tests were made in the greenhouses of the Ohio Agricultural Experiment Station.

F. M. WEBSTER, Entomologist,
 Aug. D SELBY, Botanist.
 Wooster, Ohio, March 1, 1895.



TO PREVENT RUST.—Dissolve one pound of sulphate of copper in two quarts of ammonia in a 2-gallon jar. When dissolved add another quart of ammonia and stir well. [The liquid can be kept in this form for some time and used as needed.] Add a pint of this solution to a barrel of water and syringe the plants with a force-pump every two weeks. And don't let the time for spraying pass without attending to the operation.

Carnation Notes.

In reply to the criticism of Mr. P. in the issue of March 2 on my article of Feb. 9, I will state that he evidently imagines that I was criticising the advertisements appearing in the FLORIST. This is a mistake, for I do not consider it my place to question any advertisement which the publishers of this paper consider it advisable to print in their columns; in fact, I was not aware that Mr. P. had an advertisement in these columns, and that he was growing his plants for cuttings only. I do not consider that Mr. P. has any cause for an explanation from me at all, as I was not referring in any way to advertisers of cuttings from plants grown for cuttings only. If Mr. P. had been at the convention at Boston he would have heard something corroborative of my statements (which he questions so strongly) in the address of the president, who fully hears out every point in my article of Feb. 9. As President Dailedouze is considered by all in the vicinity of New York as one of the best authorities on, and one of the best growers of carnations in this country, I consider his corroboration of my opinions as fully covering the point at issue.

There may be some, like Mr. P., who do not understand my reference to keeping plants for stock in a cold frame during November and December. The reason of this is that the plants get a rest by this treatment, and I believe are much better for stock purposes. There are many advocates of this system to-day, not only for the carnation, but for the rose and "mum." The forcing or growing of any plant of the nature of the carnation to grow and bloom at all seasons of the year is, I believe, a mistake, and eventually results in destroying the vitality of any

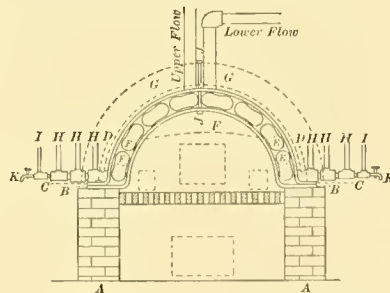
stock. Resting a few stock plants in cold frames during the fall months will keep the carnation in much better health, and many less cases of failure will be found if this method is adopted. Mr. Fred Dorner has given this plan a thorough trial, and when at his place in February, '94, I saw plants which were yielding him the finest cuttings I ever saw. The plants had not gone to flower, if I remember right, but the new growths or terminals were used as cuttings. These plants, however, had been selected on account of their strength of growth and their disposition to throw a quantity of blooming stems. I trust no other advertiser in this paper has made the mistake of Mr. P. in thinking that I wish to cast any slur upon their advertisement, or in any way to take advantage in this column by drawing the attention of buyers from their goods.

To change the subject, I wish to call attention to one point brought out by Mr. Hill in the discussion on the essay of Prof. Halsted at the convention, that in the opinion of the professor the bacterial disease so common among carnations is liable to spread quite rapidly. This phase of the trouble I have watched with considerable interest during the time since the convention, and I have found that this disease is quite noticeable in different sections of the houses, and that it seems to spread just as the professor has stated, also that removing a plant as soon as it is found to be troubled with bacteria is the best way to rid the stock of the evil. It may be that the plant adjoining the affected plant will in time show the same trouble; this remains to be seen. Whenever this disease appears I at once apply my old remedy, a stimulant, using strong manure water with a little nitrate of soda, one half pint to fifty gallons manure water. I believe it is the general opinion that bacterial diseases are very apt to show themselves at this time of the year; this I believe is due to the exhaustion in the soil, and by using manure water more often at this season we can keep the plants in much better health. It will also be found that the carnation will now throw off much stronger stems than during the colder months, following out the natural course of all this class of plants and if large well-formed flowers are to be had they must receive additional nourishment.

CHARLES H. ALLEN.

Further Details About Mr. Swayne's Wide House.

ED. AM. FLORIST:—I find myself compelled to ask you to publish another description and diagram, this time of my boiler, in response to the numerous inquiries addressed to me since the publication of my former article.



The accompanying diagram will materially assist in making clear "how the boiler is put together and set up."

When I remove the iron front this is the appearance. First the foundation A. A. is built. Then the iron bands B. B. are placed; these are three in number, one at

each end and one just front of the bridge wall, and are of 3 by 7/8-inch iron. Place upon these the bands C. C., 3x1/2-inch stuff, and bolt each pair fast to a bolt built in the side walls, D. D. Then the boiler, which is of 2 1/2-inch pipe, may be slipped in and screwed together, one end of each pipe having a left hand thread screwed into corresponding return bends.

The lowest pipe of each side of boiler and also the two upper pipes are ten feet long in order to extend beyond the back wall. The rest are all nine feet with the exception of the four marked E., which extend only to the bridge wall four feet from the front. This wall (F) is 18 inches high above the grate, leaving a space of a foot between it and the arch, which is built of common brick, on a wooden frame of 1-inch stuff which burns out. Behind the bridge wall is a space 5 feet long extending below the grate line, for the combustion of gases, terminating in the flue at the top.

J. J. is a bolt through the arch at each band, perhaps unnecessary.

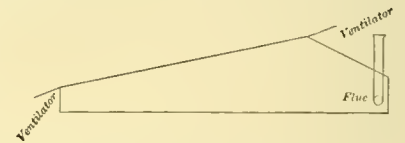
H. are the 1 1/2-inch returns.
 I. I. the 3/4-inch cold water connection from borough stand pipe, giving the pressure and allowing expansion and contraction, which is slight at most.

K. spigots for draining the circulations.

You see each side of boiler is a complete circulation, each separate from the other. The flows and returns each connect with the back of furnace. The return bends are made so that when touching one another the tubes are spread apart a trifle, allowing the water always to rise in the boiler, which is therefore built level.

I believe this boiler with its 15 1/3 square feet grate surface and 140 foot flue with a rise of about 18 feet will heat a house similar to mine, 50x100 with 1,600 feet of 1 1/2-inch pipe if placed properly. I hope this explanation is clear.

Second question: Do I advise this plan of constructing a house on level ground? By all means. In about this shape with heating pipe confined to lower half of house.



Theodore Whitson of Atglen, Pa., will follow this plan on level.

This (about 10 feet in 50) slope of rafter is undoubtedly sufficient to shed the elements. And if supported right will be substantial, and be a success, 50 feet or more wide, with indefinite width according to slope of ground.

Third: Cost of heating material and was it included in cost of house? Everything was included in cost of house except my labor, freight and tools.

Pipe, 2 1/2, 2, 1 1/2 and 1 1/4 inch	\$170
Brick	20
Iron	5
Flue (10-inch)	30
	<hr/>
	\$225

Fourth: Cost of iron pipe for construction, and lumber. Pipe \$49, cut and threaded to order from second-hand pipe, 3 cents per foot. Lumber—cypress, roof-drip bar 1 1/2 by 3 1/4, 2,400 feet lineal, end and ventilator bar 1 1/4x2 3/4 400 feet. Continuous ventilators, one 2 1/2 feet, the other 4 1/2 feet. \$1.28.

Fifth: "If you built again what changes would you make?" Very few. First, if I wanted the house to be the same temperature throughout I would put the boiler at the south side of house



COSTA RICA DWARF COFFEE IN BLOOM

either at one end or at middle, and all the pipes at the bottom, if the ground sloped considerably. Second, with 1 $\frac{1}{2}$ by 3 $\frac{1}{4}$ bar I would run the purlins 8 feet apart instead of 7, and make the posts 8 feet apart instead of 10, if 1-inch stuff is used, obviating a slight sag. I believe that is all.

Sixth: How is the glass put on? Did not bed it in putty, but applied liquid putty on top. Lapped slightly on roof and butted on sides, belly down.

Seventh: How do I prepare beds and what is soil? Carnations make better growth in a baking soil (somewhat clayey) but lift poorly. Ours is too much this way, therefore we endeavor to make it more loamy by cultivation, in order to lift successfully, whereas, in the house prefer it of heavier substance, and to that end I lean toward burying the fertilizer, principally manure, or top dressing instead of digging it in.

Eight: What is average cut from 1000 plants per week? My cut per week is nothing unusual, and about as follows:

No. of plants.	Variety.	Cut per week.
1,600	Sweetbrier,	800
800	Daybreak,	600
400	Thos. Cartledge,	300
400	Ophelia,	300
1,600	McGowan,	800
1 800	Lamborn,	800
1,600	Puritan,	200

Puritan will soon quadruple this. It is very prolific but late. Some other varieties I am using for stock alone. From 1,700 plants of Lady Campbell violets I cut 3,000 per week. Christmas week I cut 4,000 carnations and 3,000 violets from this house, bringing \$160.

I will be pleased to answer any further inquiries.

C. S. SWAYNE.

Kennett Square, Pa.

Three New Carnations.

We recently received from Fred Dorner & Son blooms of the new carnations Meteor, Storm King, and Bridesmaid. The first named has been described as a

maroon, but we regard it as a true crimson, touched with maroon shadows towards the edges of the petals. The color is very fiery towards the heart, exquisitely velvety on both the inside and outside of the petals, recalling the heart of a Marie Baumann rose. Bridesmaid is a warm peach blossom pink with a satiny lustre; Storm King dazzling white. All three are large, robust and well built, with splendid stems. As we see them we cannot wonder that in spite of the multiplicity of new carnations these varieties should excite such general admiration.

Raising Carnations from Seed.

BY C. W. WARD.

Read before the New York Florists' Club March 11.

In treating of the raising of carnations from seeds, I shall confine myself to the methods employed under glass, and in order that all may understand the subject will briefly describe the reproductive organs of a carnation flower.

We first have the ovule or embryo seed pod, from which extend the two pistils. This embryo seed pod is situated in the centre of the flower, and is surrounded by the petals, and protected by the calyx. Between the ovule and the petals are situated the stamens, each having upon its point the anther, containing the pollen. The method of fertilizing the flower is as follows: The pistil grows out of the calyx until it extends beyond the fold of the petals, and when ready for the reception of the pollen it becomes covered with a viscid, gummy substance. When the pollen is ripe, the anthers burst, and the pollen is scattered through the air in the form of a minute dry powder, and in this condition floats about and is caught by the gummy substance on the pistils, and the union of the pollen with the pistil completes the fertilization of the seed. It may be proper here to observe that generally the anthers of a flower burst before the pistils are ready for the reception of pollen in the same flower, and that this pollen floats away and fertilizes some

other flower, and thus nature favors a constant cross fertilization in raising plants from seed.

The method which we use in the greenhouse to seed plants, is to carefully prepare the flower from which we wish to raise seed by cutting away or pulling out a large proportion of the petals, which gives the pistil a better chance to grow out. It also throws the full strength of the flower into the pistil, and produces a better and stronger development of that organ. We also carefully remove all of the anthers before they have any chance to ripen and throw the pollen. This is done to guard against the chance of self-fertilization, as the best results are secured from a pure cross fertilization. As soon as the pistils are in proper condition to receive the pollen, we select a flower of the variety with which we desire to fertilize, in which the pollen has become ripened, and take this flower to the seedling plant, and there apply the pollen direct to the pistil, either by means of a camel's hair brush, or by carefully shaking the pollen out of the flower on to the pistil. This is done on a clear day (if it is slightly overcast the pollen takes better) as by experience we have found that the pistils are then in the most receptive condition, and that the pollen also is in the best condition for fertilization. It is essential to have the pollen perfectly dry, so that it will fly about like fine dust, and it is essential that the pistil be well covered with this gummy substance, as only when that occurs for the full length of the pistil do we get a perfect seed pod. If the pollen is applied to simply one portion of the pistil, or to only one pistil, we get an imperfect seed pod, that is, one not thoroughly filled with seed. In some cases there is but one pistil. Most generally there are two, often there are three and in two or three cases I have seen four, however, a flower with two well developed pistils is preferable, as from such flowers I have usually the best pods of seed.

Within 24 hours after the flower has been fertilized, if the process has been successful, the petals will close together and commence to wither away, and in the course of two or three days the pistils will commence to wither at the point and finally die out, and the ovule commence to swell. As soon as the ovule has increased two or three times its natural size, it will become necessary to split the calyx down and carry the split portions back so as to admit of the seed pods draining thoroughly, as it is often fatal to the successful growth of the pod, if water gathers in the calyx and stands around the base of the young pod. If the conditions are favorable, this seed pod will continue to grow until it has reached its full size, and it will then ripen. This takes from six to ten weeks during the winter time. When the seed pod has ripened, it will get dry and hard on the top and turn a light brown, and when it is thoroughly ripe it will begin to wither slightly. At this period the entire stem should be plucked and the seed pod, stem and all, laid in some sheltered place in the sun and allowed to dry. When dried the pod should be broken open, and the seeds carefully put away in an envelope, in a safe place, or immediately sown. The proper time to sow seeds is from the months of February to May. It is desirable to get the first flowers on the plant outdoors, and I prefer early sown seeds. By doing this you avoid bringing in a lot of single flowered plants; as when the singles bloom outdoors, they can be pulled up and destroyed.

We sow the seeds in clean 4-inch pots, using very light, friable soil, a mixture of leaf mold, loam, and very old, well rotted manure. The soil is made perfectly level, and the seeds are sprinkled on the surface and lightly covered with less than a quarter of an inch of soil. After the seeds are covered, the surface of the soil is very lightly pressed, and then it is given a syringing with luke-warm water, and the pots are set in a warm place where they get some benefit from the sun, and lightly shaded on very bright days; the night temperature being maintained at about 56° to 60°, and the day temperature 10° or 15° higher. The seeds generally germinate within 10 to 14 days from the time they are planted, and sometimes sooner. As soon as the seedlings have made the first leaves, they are pricked out into flats as below described, the plants being set 2 inches apart each way. These flats are made of coarse lumber, are 1 foot wide, 2 feet long, 2 inches deep, and made with slatted bottoms. Over the bottom a half inch of sphagnum moss is lightly packed, and upon this moss the soil is put.

In these flats they remain until they have made 5 or 6 additional leaves. They are then potted up into 1¾-inch pots, and allowed to grow on in the pots until they have made good balls of roots, and then the plants are turned out of these pots, and packed away in flats and set in a cold frame to harden, and from the end of April to the 20th of May these seedlings can be planted out in the open ground, where they are allowed to grow and flower.

The object of growing plants from seed is to get new varieties, and when these seedling plants flower in the fall each plant is carefully watched as it comes into bloom, and if it shows an undesirable color, or if it is a single flower, or if it bursts its calyx, or if its habit is such that we can foresee that it will be valueless for greenhouse use, the plant is immediately pulled out of the ground and destroyed. It usually happens that out of 1000 seedling plants so grown, we seldom take more than 75 to 100 into the greenhouses for test, after blooming outdoors, as in order to grow flowers for commercial purposes it is necessary always to select the best and most productive varieties, of such pleasing colors as will sell upon the markets, and it is a constant study and a struggle with originators of seedlings to produce something that is better than any of the existing sorts.

We have before us here to-night some samples of work that is being done in the line of raising seedling carnations. This vase contains Scott, Albertini, and Daybreak, three of the leading pink carnations which have an established place upon the market, and which are in demand for commercial purposes. In the second vase, we have a lot of seedlings that have been selected as being sufficiently promising either to introduce or to grow on a second or third year with a view of introduction, and we have in the third vase another lot of seedlings, which have been selected as worthy of a second year's trial.

Now the introducer of a new seedling must take into consideration that in bringing out a pink carnation he will have to compete with Scott and Albertini and Daybreak, as shown here to-night, for these are not specimen flowers, nor are they specially well grown, but they are the class of stock that a great many commercial florists are shipping on to the New York market to-day, and they are no better nor any worse than the average

selected stock that we ourselves ship upon the market. There are a number of things to be considered in the introduction of new seedlings. It not only must be distinct and sufficiently pleasing to sell, but it must have a great many excellent qualities. It must propagate easily, it must not be liable to take disease, it must be an early bloomer, and it must be prolific and a good keeper. The stem must be strong, the calyx must not unduly burst; it must be a large flower, and it certainly ought to be fragrant. Now if a great many in sizing up the merits of a seedling would get a good bunch of well grown flowers of the existing varieties of the same class and compare them it is possible that they would form a much better judgment of the merits of their new varieties. There are many splendid exhibition varieties that may not prove of very much value as commercial sorts, and some of the very best commercial sorts would play but a sorry figure on the exhibition table, when judged by a scale of points.

A BOX OF FLOWERS recently received from Nathan Smith & Son showed some extra well grown roses and carnations. Our old friend Buttercup showed up in a form not often seen in the west, and there was an unnamed seedling carnation, a soft yet clear salmon pink, that seems to offer unusual promise. The color is excellent, the flower large and very full. E. A. Wood was also among these flowers, and proved very attractive, as did some of the more familiar varieties.

ALASKA AND MINNIE COOK.—Blooms of these carnations were recently received at this office from Mr. H. E. Chitty, Paterson, N. J. They bore the long journey well, and are certainly very fine blooms. Alaska is very well shaped and so purely white that it makes a strong impression, and Minnie Cook is of fine size and attractive markings. The flowers gave evidence of excellent culture.

A SEEDLING CARNATION sent us by F. P. Dilger of Milwaukee, Wis., was a strong, stiff stemmed bloom, in color a deep carmine. It is large and double, suggesting Albertini in the form of its center petals, but the growth and shape of bud is like Daybreak. It seems worthy of further test.



Replying to your correspondent E. D. E. the sample of club root received show a very aggravated form of it. It is caused in the first place by an abrasion of the bark of the plant when being planted probably, or some time during the operation of handling it. This gives the eel worm an opportunity to get started, and once they get started in it they keep on growing and multiplying it.

For the benefit of your correspondent I would say that I took a piece of the club—so to term it—about the size of one-half a sweet pea seed, dissected it, and under the microscope I found from 25 to 35 live worms varying in size. I also found several clusters of eggs. In one piece I counted over 60 eggs, so that your corre-

spondent can see the number there would be in the entire piece if it were possible to get them all out alive. Many people doubt there being eel worms in the soil to affect the plants. Could they see what we investigate sometimes in this matter I think their doubts would be forever banished. These little animals are to a more or less extent present in almost all classes of soil. It is only by producing the conditions of growth necessary to keep them in check and enable the plants to grow away from them, that prevents their doing very much damage. In this particular case your correspondent says it has not apparently injured the plant, but while the plant, being a strong vigorous grower, may have kept ahead of it to some extent, still it will more or less impair the vitality of the plant or plants so affected. If your correspondent finds any more I should advise him to take them very carefully off with a knife as clean as he can and be sure to burn them all.

Scientists tell us that this little animal will live an almost indefinite time and in any climate—frost and snow has no apparent effect upon them, neither has dry weather. In all that I have been able to trace up regarding their habits, etc., such has been the general opinion of all the authorities that I have consulted, and there is no question about their being on the increase in almost every section of the country. Ten or twelve years ago it was a rare thing to hear any complaint about them in the north or northwestern section of the country; since that time, and particularly within the last four or five years, I have made it my business in every section I have been to search for it, and I am free to confess that I can hardly find a place in the country where they are not present in a greater or less degree. By carefully examining clover roots growing in the open fields in the summer these can often be found adhering to them in the shape of small nodules or lumps, and oftentimes not larger than a small pin's head. In each of these small nodules will be found numerous nematoids, which are only waiting to develop and effect other plants besides clover roots.

JOHN N. MAY.

Millipede Worms.

A correspondent writes me that his place is very much infested with a peculiar kind of worm (as he terms it), but it is not a worm at all; the samples received are of the ordinary millipede family; and while not particularly destructive to growing plants still they are not desirable, as when their food gets scarce they are very apt to attack the roots. The best way that I have found to eradicate these little animals is to take some kind of vegetable, such as carrot or apple, or any other sweet tasted vegetable—lettuce leaves will do if nothing better—but probably the best and simplest means is to take good-sized carrots, slice them up, and lay them over the bed in different positions. Go through these each morning carefully and lift them up, having a can of kerosene when you. Scrape each millipede off into the can and replace the carrots. By following this up carefully for eight or ten days I think they will be almost exterminated. Of course later batches developing may produce some more, but if they are found the same thing can be followed on till all are exterminated. Any good bright boy can do this if he is instructed how to do it, and set at it as soon as it begins to get daylight in the morning. JOHN N. MAY.



COSTA RICA. BREAD FRUIT TREE.

Shading.

This enquiry comes from a subscriber: "What is the best material to use for the above purpose?" I have had occasion before to recommend as the best cheap shading a mixture of white lead and naphtha. Use the ordinary white lead; as you buy it in kegs, there is a small quantity of oil left in the lead, but not enough to make the mixture too adhesive. Be sure and don't put linseed oil in the mixture, or you will have great difficulty in getting it off in the fall. You can make this mixture of lead and naphtha as thick or thin as you choose, to suit the degree of shade you desire. It looks cleaner and gives a better appearance altogether than whitewash made of common quicklime, although it is more expensive than the latter. If some shade is needed temporarily, say for a batch of azaleas or some such crop between now and Easter the quickest and least expensive plan is to syringe it on, which will answer very well, but when put on for the summer it is much better to apply it with a white-wash brush. It will cost more in labor to put it on with a brush, but you will save much in material. Another advantage of the brush is that in April say, a dense shade is not needed, but just subdued light and heat. Then you can shade every alternate run of lights, and leave the

others clear. That is sometimes all the shade that is required till the fierce rays of the sun pour down in May, or if the glass is broad a streak the width of the brush down the center of each light will be all you need in the early months.

W. SCOTT.

Aphorisms.

[Snatches from Mr. Grove F. Rawson's talk to the Gardeners' and Florists' Club of Boston March 5, 1895.]

The trouble with the flower business to-day is that there are too many pieces and not enough dozens.

We florists have pudding—plum pudding—at Christmas, and the rest of the year it is plain pie.

Look to superior management as an antidote for dull business.

Don't place too much dependence on market quotations; your bills will tell a different story.

The ladies know the difference between cut glass and the cheap imitation, but why in thunder do they wear artificial violets on the street?

Propos of church fairs and charity concerts; the dear ladies grumble at the high prices of flowers, but they never seem to realize that they cost the florist anything.

"We won't go home till morning" has

frozen many a house that might have gladdened the heart of a dealer.

Have a specialty if you choose, but don't be so stuck on your own specialty that you lose sight of what the market calls for; don't stick so tight to a hobby that you can't get off.

The plant business makes millionaires tired who start into it to double their money.

Because you send your son to a horticultural college it will not necessarily make him a howling success.

Your experience adapted to local conditions is what makes success.

It is a queer fact that you always expect cash from responsible parties, but Messrs. Brass & Cheek get all the credit they want on clear nerve.

What beats me is how all those eel worms get into the roses.

It is entirely unnecessary to be too much of a stickler for mere dignity.

If you want to keep on the right side of the world don't rub its fur the wrong way.

I shouldn't be surprised if the rose and carnation had a set-to yet for honors.

New York.

The regular monthly meeting of the New York Florists' Club was held Monday evening, March 11, President Allen in the chair. The increased interest in the meetings was shown by the large attendance. A committee of award was appointed consisting of Messrs. O'Mara, Ernst Asmus, May, Anderson, Weber, Paul Dailedouze and Julius Rochrs. These gentlemen are to meet and formulate rules governing all exhibits brought before the club at their regular meetings, and will also investigate any novelty which growers in the vicinity of New York may intend to place on the market. Action was taken by the club upon a reflection on one of its members which had appeared in a Bermuda paper concerning the views advanced by that member in regard to the disease in *Lilium Harrisii*.

Messrs. E. G. Hill & Co., of Richmond, Ind., exhibited a vase of their new carnation Jubilee; this variety was shown in Boston, but was off color on account of the long journey, and for this reason did not receive a certificate, but as seen here it is a very fine color and in every way worthy of a trial. It attracted much attention. Wm. K. Wood, of West Newton, Mass., sent on a few stems of *Antirrhinum majus album*, which were the source of great interest. Mr. Wood will not be the only grower of antirrhinums next season. The F. R. Pierson Company had a fine display of their new cannas Oriole, Sunshine, Eldorado and F. R. Pierson, all indicating great improvement on existing varieties; they also had bloom of *Koenigin Charlotte* and *Columbia*. These exhibitors received the hearty thanks of the club. Mr. F. C. Stewart, of the New York Experimental Station, gave a synopsis of the investigations he is now making upon the *Harrisii* disease, which was listened to with marked attention. Mr. Stewart advised the club to refer the matter of this disease to the government authorities at Washington. This would come under the care of Prof. Galloway, who, by the way, is to lecture before the club at its next regular meeting in April. Mr. C. W. Ward, of Queens, then gave an illustrated lecture on carnations which was highly interesting, and for which the club, through the president, tendered him a vote of thanks. Mr. Barron, of *American Gardening*, brought to the meeting a chart showing the com-

parative development of the carnation since 1597. This was quite a revelation to most of the members. Prominent visitors present were: Mr. J. F. Huss, of Lenox, and Messrs. Sirene and Stewart, of the Experimental Station annex at Jamaica, L. I. Four new members were elected. Some of the boys are of the opinion that if the attendance keeps on increasing as it has done for the past two meetings larger quarters will have to be procured.

A. & F. Rolker held their first auction sale at their new salesrooms, 106-108 Liberty street, on Tuesday, March 12. It consisted of dormant roses, hydrangeas, azaleas, lily bulbs and miscellaneous hardy shrubs and forcing stock; prices realized were satisfactory.

Half a dozen rose and carnation growers from Boston are going the rounds of the crack establishments in New Jersey and Long Island.

Visitors in town: A. Outram and A. Ingram, of London, England; Grove P. Rawson, of Elmira, and Jackson Dawson, Arnold Arboretum, Boston.

Boston.

The cut flower trade in Boston seems to feel the effects of Lent but little. In the retail stores there appears to be fully as much activity as before Lent came in, and at the wholesale establishments the stock does not accumulate, although the weather has been spring-like and the cut of flowers large in consequence. Prices in general are fully up to the mark of previous seasons. The presence of the opera has no doubt helped the trade here at this time, for the call has been quite large for flowers for this event. The market has never been better supplied as to quality and variety. Roses in all popular sorts are abundant, carnations have reached a perfection never before attained, bulbous stock is excellent, although in rather light demand, violets are better than at any previous time this season, and lilies are also unusually fine. The approach of spring is suggested by the quantities of yellow primroses, pansies, daisies and forget-me-nots with which the florists' windows are filled. Azalea plants of all the popular kinds are shown in great profusion, and they excel in quality any ever seen before in this market.

The showing of lilies for Easter at C. V. Whitten's is very promising, and Mr. Cotter pronounces the plants to be the best he has ever had. They are all longiflorums, and were purchased from several dealers. Those from one source showed thirty-three per cent badly diseased; in the lot from another party there is scarcely a trace of disease. Mr. Cotter's experience shows that the size or appearance of the bulbs makes no difference as to later results, for the best looking lot of bulbs received was the lot which proved to be worst affected with the disease. He thinks that carelessness and lack of judgment on the part of bulb growers in digging bulbs before they are properly ripened is partly responsible for the trouble. He has thrown away all those badly affected, and the loss sustained offsets all the profit which his houses might have yielded.

Wm. Edgar has about four thousand fine lilies, all longiflorums, of which he estimates that about five hundred were diseased. Those most seriously affected were dumped as soon as their condition was known. Mr. Edgar's mignonette is very handsome this season. He has one plant which will undoubtedly prove a valuable novelty. The receptacle in each

flower, commonly green, is much enlarged and bright orange in color, thus giving to the whole inflorescence a decided orange tint.

Jackson Dawson in his talk before the Mass. Horticultural Society on March 9 made use of a large number of instructive drawings, and was also provided with a promiscuous selection of young grafted shrubs in pots, to illustrate the different methods of grafting. After the lecture he was surrounded by a big crowd, who plied him with questions for half an hour or more. It proved to be one of the most entertaining and useful papers which the society has listened to for a long time.

At Horticultural Hall on March 9 James Comley showed a splendid collection of hybrid roses, azaleas and camellias. David Nevins had several vases of superb specimens of Magna Charta, Gabriel Luizet and Jacqueminot, and from the Bussey Institution came a collection of Roman anemones in pots, in a beautiful variety of colors. H. S. Rand showed seven varieties of violets, and C. W. Ward Storm King carnations. Crimson Rambler, the new climbing rose, was shown in bloom for the first time here by W. H. Spooner, and was awarded a first-class certificate of merit.

The flower committee of the Mass. Horticultural Society made a visit of inspection to the carnation houses of Wm. Nicholson at Framingham, on Monday.

Jackson Dawson and Wm. J. Stewart have gone to Pittsburg, Pa., to attend the meeting of the executive committee of the Society of American Florists.

Visiting Boston: P. Vos and L. C. Bobbink, Haarlem, Holland; W. Mott, Philadelphia; A. T. Boddington, Short Hills, N. J.

Thomas Motley, A. M., Instructor of Farming at the Bussey Institution and an eminent patron of horticulture, died at his home in Jamaica Plain on March 9, at the age of 83.

Philadelphia.

The violet market has busted, and prices are away down; 50 cents per hundred is now the figure for the best, and from that down to \$3 per thousand for job lots, and not particular about a handful of bunches over, is the condition of affairs for this favorite flower. Many lots sent in are hardly worth anything, and the grower of these should spend his time at something more useful than gathering and bunching such rubbish, as for instance reading a treatise on "How to grow violets."

Although business the past week has not been very brisk there has not been an over supply of stock, and flowers of all kinds, with the exceptions of carnations and hybrid roses have sold well at the same prices they have brought for the past few weeks. Carnations are down a little, but good common stock still brings \$1.50 and anything a little better \$2, with a few extras at \$3 and even \$4 is asked for some. The hybrids go slowly at \$5 to \$6 per dozen for the best, seconds bringing \$3 to \$4. Good Brides, Mermets, and Bridesmaids are scarce, as the crops all seem to be off; the best ordinary stock sells for \$8, smaller at \$6 and extra choice \$10 to 12.

Daffodils were very plentiful a week ago, but are now scarce and there is not much demand for what there are, the common bring \$3 and the large single, Golden Spur, sell for \$6 per hundred. There are a few tulips, \$4 to \$5 is the price. A grower thinks tulips will be

retailed in the stores next year at 50 cents per dozen instead of 75 and \$1 as now, for said he, "I am being offered some good bulbs for \$3 per thousand and can put them on the market next winter for \$20 to \$25 per thousand." Smilax is very scarce and 20 to 25 cents is the market price for it. Adiantum is also getting scarcer.

President Lonsdale is proud of his new carnation Helen Keller, having beaten everything it came in competition with and winning three prizes at the Boston show.

James Cole of 55th and Market, an Englishman by birth, came to this country some thirty-five years ago, but only took out papers and assumed citizenship a month ago. James and his sons are master hands in growing bedding stock and now that he intends to settle down and stay with us no doubt something wonderful may be looked for.

Mr. J. C. Eisele of H. A. Dreer's establishment at Riverton has returned from his European journey much improved in health. He reports having had a very pleasant trip; he found the stock of palms in many places very much reduced, and saw but few novelties of any merit.

W. K. Harris has been sending in a few very fine azaleas. With a little fine brass wire the outer branches of the ordinary close headed plants have been brought down almost to the pot, and the plants made to present a much prettier shape.

The Florists' Gun Club of Philadelphia was organized last week. John Burton was elected president and A. B. Cartledge secretary and treasurer. Grounds are to be selected, and as soon as the weather opens practice will commence. The initiation fee is to be five dollars and the annual dues three dollars a year. When one thinks of the prizes won without an organization, what will the result be when this shall get into working order?

George Anderson has been cutting some extra fine La France and Kaiserin the past winter. A look through his houses now shows plants to be in fine healthy condition but not over grown; in fact many do not seem to have foliage in proportion to the branches, and yet these plants send up very stout shoots from the bottom and strong wood that produce extra large flowers. He says that roses seem to stand any amount of pruning if they can be kept in a healthy, vigorous, growing condition, and by cutting them back well the thick brush does not get a chance to start, as the bottom eyes generally make strong growths.

Some of the Philadelphia palm growers are much exercised on the foreign palm question, and complain bitterly of this competition, which they say has had a great deal to do with cheapening palms the past few years. A tariff of 30 to 40 per cent would enable them to keep out the men who only pay their men 25 to 50 cents per day, and work them eleven hours at that. Perhaps there may be some truth in their complaint but how about *Areca lutescens*, which is most largely grown in this country and rarely imported; it seems to us that it never was as cheap as at present.

A meeting to perfect the organization and elect officers of the National Dahlia Society is called for March 20, at the Hotel Hanover, 12th and Arch at 8 p. m. Those who would like to join the society should send their names and addresses, together with \$3, the annual dues, to L. K. Peacock, Atco, New Jersey, the temporary secretary and treasurer.

President Lonsdale, and Secretary Stewart together with Messrs. Dawson and

Battles of the executive committee, and Messrs. Burton and Watson, members of the national society, left Philadelphia Monday evening to attend the executive committee meeting in Pittsburg.

D. D. L. Farson is about again after a two week's illness. K.

Chicago.

The opening of the grand opera season this week has helped to sustain the market, particularly as regards the better grades of stock. The increased demand in this line, however, was not as noticeable as was anticipated, and of course affects more largely only the dealers in the down town district and those located in the fashionable residence districts. The demand in this line is almost exclusively for the best grades of roses, violets, and perhaps orchids, which latter may be had in limited quantities. First-class Beauties have been in great demand, also hybrids, of which there are but very few. Jacqs, which have been rather slow up to the present time, are in quite lively demand. This rose nowadays seems to be appreciated only on account of its fragrance when used as a hand bunch. For purely decorative purposes Meteor has almost entirely usurped its place, and many flower buyers seem to prefer the latter to the former for its lasting qualities, even if both are offered at the same price. Bridesmaid, for the first time this season, is not of such average good quality as we have been accustomed to see; there are still some very fine flowers to be seen, but many of the blooms are of inferior size. The same might be said of Brides, which run very uneven. J. Meyer of Niles Center is, however, cutting at present some Brides and Mermets from 3 and 4 year old plants grown in solid beds that are hard to beat; these plants have not produced very many blooms this winter, but the quality has always been very fine. Testout runs uniformly good in quality, but as this rose is inclined to be what is termed a cropper the supply can not always be depended on when you want it. Kaiserin, fairly good all winter, is improving in quantity and quality, also Meteor, the color of which is much better on the average. Of Wootton we don't hear much nowadays, it having been discarded by many of the growers. Still when we see Wootton such as are grown at George Reinberg's place this winter one wishes there were more of them; for size and length of stem these are but little inferior to a fair sized Beauty, in color also nothing better could be desired. The Meteors also at this establishment have been exceedingly fine, and are a great credit to the grower, Mr. Otto Bentley, who is in charge of this section of houses.

Carnations are coming in better than ever; the fancies and all the better grades of the commons are finding a ready market, but the poorer grades are at times a little overstocked. Whites are decidedly more plenty, and prices on these have weakened. Hopp & Lemke, Paul P. O., Mich., are sending in to our market some splendid seedling carnation blooms, whether any of these have been named we are unable to say. There is one red variety that is simply magnificent. The color is probably as true a red as may be found in a carnation; you may call it a dark scarlet or a light crimson. The flower is nicely fringed and of enormous size, borne on long stout stems, which show a robust growth. A bunch of fifty, which was recently received by T. J. Corbrey, created quite a sensation among the growers and dealers who saw it, few of

the flowers measured less than 3 inches across, and several of them 3½ and 4 inches over the top. Now these flowers were not selected as a show bunch, the flowers having been sent in a consignment to be sold. Another seedling is a very fine pink of the style and color of Sweetbrier.

A. V. Jackson of Bowmanville has been sending in some very fine carnations; he grows Puritan for white, which with him has proved very satisfactory both in yield and quality of bloom. It is here we saw the yellow variety Bouton d'Or, which, if it may be judged by the small batch as grown here, is the very best yellow yet tried in this section. The plants are handicapped by occupying the poorest location on the benches, nevertheless these seem to thrive well, and have bloomed freely all winter. At present the plants are covered with buds and bloom of good quality, though not as bright and pleasing a color as Buttercup. As seen here this variety shows no tendency to burst the calyx, as a matter of fact we couldn't find a single flower affected that way.

Violets have shortened up again, and in consequence the market is somewhat firmer. Strange to say that even yet when we are nearing towards the middle of Lent bulbous stock of all kinds, with exception of perhaps valley, is not at all plentiful. Some growers seem to be inclined to think that the demand for this kind of stuff is again increasing, and talk of laying in a larger supply next season. All well and good, brethren, but don't overdo it. The present season has proved that a demand still exists for a reasonable amount of this stock, and prices certainly must have been satisfactory also, but a glut will in all probability bring back the same conditions existing for some years back.

H. Boettner, a retail florist doing business on North Clark street, has committed suicide by shooting himself.

Recent visitors: E. A. Wood, Denver; H. A. Bunyard, representing Pitcher & Manda; Daniel McRorie, representing W. A. Manda; Geo. Souster, Elgin, Ill.; W. J. Stewart, Boston; J. C. Rennison, Sioux City, Ia.

Buffalo.

The usual quietness which is supposed to prevail during Lent is not particularly noticeable just now, for there was nothing very gay before, but plants are selling fairly well, and flowers of best quality can be purchased at a very moderate price, which induces increased sales. Bright days and very cold nights still seem the order of the weather bureau. Some of the growers here are scheming to keep their crops for Easter. There will be more of that this year than any need to resort to much forcing.

The chief matter of interest to the great majority of our florists this week was the annual election and banquet, which took place at the Tift House on Wednesday. The following officers were elected: President, Charles H. Keitch; vice-president, Wm. B. Milley; recording secretary, Wm. Legg; financial secretary, W. F. Kasting; treasurer, Edw. I. Mepsted. Executive committee, J. F. Cowell, W. A. Adams, D. B. Long, S. A. Anderson, Wm. Scott. The report of the financial secretary and treasurer showed the club to be in a most sound financial condition. The committee on entertainment had done their duty grandly, and after the business meeting was over they conducted us to the private dining room of the Tift House, where a long table most lavishly decorated was spread for our admiration

and realization. Retiring President Adams presided, and with some pleasant introductory remark got most everybody on their feet in turn. D. B. Long gave us a long and interesting talk about "Our club." Mr. Keitch, in his usual dignified and classical style, responded for our officers. W. Scott made a rambling harange of some length about "specialties in the business" and finished up with eleven verses of original rhyme, but the rhyme had little reference to the toast, no more than it had to theosophy. Our professor, J. F. Cowell, gave a real sensible talk on "Our parks." "Relations of retailer and grower" was well handled by S. A. Anderson. "Gatherings and pastimes" was cleverly responded to by George Asmus, who did not forget the significant fact that it was at the pastimes of the club you always got the best attendance. Mr. Mansfield of Lockport responded to "old members." This did not infer that he was an old man, only that he had been long a member of the club. Mr. Wise of East Aurora very wittily replied to "Our visitors." "New members" was responded to by Louis H. Neubeck, who has lately wonderfully expanded in oratorical powers. "The trade in Buffalo" was handled by Mr. Wm. Legg, who gave an optimistic view of it, truly we trust. Mr. Keitch gracefully took care of the ladies. The retiring president, Mr. Adams, gave us a fatherly talk. Billy Kasting told of the pleasures of calling on the boys for their back dues, and old man Mepsted very fittingly wound up the formal proceedings with one of his sensible talks about nothing in particular and everything in general. A friend of the club, a Mr. Morse, added greatly to the pleasure of the evening with his sweet voice and tuneful banjo; besides Mr. M. our own Steve Rebstock sang two or three songs in most exquisite voice and taste. No fooling about this; his cultivated flexible six octave piping is a treat. Altogether it was a most enjoyable evening. The two or three bushels of flowers that had adorned the tables were ordered sent to the leading hospitals, and everybody went home happy. Visitors from out of town were Mr. F. B. Lewis and Thomas Mansfield of Lockport, Mr. Wise of E. Aurora and Wm. C. Stroh of Attica. The next meeting of the club will be at 21 Balcom street, the home of W. S.

Baltimore.

The event of the week in florist circles was the annual election of officers by the Gardeners' Club. Owing to a principle of rotation in office which prevails and an oppressing sense of their own unworthiness of the high honor on the part of the members the nomination was declined by the first four to whom it was offered. Mr. Wm. A. Ekas positively refused to consider it, although urged to do so by many of the members. Mr. Robt. L. Graham was equally positive he could not serve, then Mr. E. A. Seidiwitz was nominated, but would not run; Mr. N. F. Plittou was next, but declined on the ground of being on a private place, the office he thought ought to be filled by a commercial mau. The available presidential timber having thus unexpectedly come to an end the boys were nonplussed, and but for the prompt action of President Burger in giving them a five minutes' recess to do a little electioneering they might have staid there all night without making an election. There was some highly interesting wire pulling and fancy political work during the recess,

and when it was over Mr. Graham consented to withdraw his refusal and was unanimously elected. After this the rest of the officers were speedily elected as follows; Ed. Kress, vice-president; Wm. A. Ekas, financial secretary; Jas. G. Rodgers, recording secretary; Chas. M. Wagner, librarian; Wm. B. Sands, treasurer. After the election and auditing the books of the treasurer and financial secretary not much time was left, so consideration of a motion to hold an international horticultural show during the exposition of 1897 was deferred to next meeting, so was the further consideration of the chrysanthemum show program. The question box was opened and a number of questions discussed, among which were "Why do those who grow plants vote for such radical changes in the premium list?" Mr. Graham did not know, but wished some would make radical changes in growing.

"Will single eye American Beauty cuttings make as good plants as two or more eyes?" Mr. W. Ekas thought single eye cuttings of anything would make as good plants as longer ones, the only question was whether they would have vitality enough to make roots. "How much hard coal should be used to keep a house 50 by 12 feet to 55° at night? House isolated and heated with water." Mr. Ekas thought about nine tons, others could do it with as little as seven tons. "How often replant smilax?" Attention was called to a bed at S. Feast & Sons', which is said to have been planted twenty-five years. "Who were the members alluded to as having been lost, and what was the lack of harmony mentioned in a trade paper?" The correspondent replied to this referring the club to remarks made by nominees this evening for the one and to their own memories for the other.

Trade has been rather dull, still there seems to be sale for all material offered at fair prices. There has been but one event of any considerable magnitude demanding flowers, the funeral of a popular priest, but flowers are worn on the streets in profusion, violets particularly.

Mr. Wm. Fraser has been laid up with a severe attack of the grip. MACK.

NASHVILLE, TENN.—G. W. Currey & Co. made an assignment March 12.

MALTA, O.—Fire did about \$100 damage to the greenhouses of W. C. Scovill March 1.

DECORAH, IOWA.—W. T. Symonds lost two greenhouses and about \$800 worth of plants by fire March 6. He had \$500 insurance on the houses but none on plants.

NEWARK, N. J.—Chas. Voight suffered serious damage to his greenhouses and stock by the bursting of a water main in front of his place. The water undermined the walls of his greenhouses, put out his fires and many of his plants froze in consequence. He estimates his loss at \$5,000. He will attempt to recover damages from the city.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—By a first-class florist of all S branches, 16 years' experience single; good reference. K, care American Florist.

SITUATION WANTED—By practical gardener and florist, single, 20 years' experience. Address W. G., care American Florist.

SITUATION WANTED—By single man as florist and S gardener; life experience; private preferred. Address W. N., care American Florist.

SITUATION WANTED—By practical all-round florist and gardener on private or commercial place; age 25; references. Address J. S., care Am. Florist.

SITUATION WANTED—By florist, German, age 25, single, 11 years' experience in general greenhouse work; Chicago or vicinity preferred. C. N., 243 W. North Ave.

SITUATION WANTED—Head gardener's place by first-class grower; 15 years' experience, European and American; German, married. FLOREST, care M. Knoll, 407 W. 33th St., New York

SITUATION WANTED—By young man, age 28, single, as gardener in private place; 14 years' experience; good grower—flowers and vegetables. Good references. LOQUAT, care Am. Florist, Chicago.

SITUATION WANTED—By practical florist and gardener, single, age 35; able to manage greenhouses, either private or commercial; best reference; cut flowers specialty. F. O. 269 N. Ashland Ave., Chicago.

SITUATION WANTED—By experienced rose and S commercial plant and cut flower grower, single; 8 years' experience; references from leading rose growers; roses specialty. GARDENER, Gen. Del., Phila.

SITUATION WANTED—By young man 20 years of S age, who has 5 years' experience in the greenhouse and cut flower business; can do designing and decorating, also planting. Address P., care American Florist.

SITUATION WANTED—By competent man as foreman or assistant in a large place; about ten years' experience in roses, carnations, violets and "mums," and can give first-class reference. Address M., care American Florist.

SITUATION WANTED—As foreman; experienced S in all branches of propagation, roses, "mums," carnations a specialty; also fruit culture and general nursery work; state wages. Address A. B. C., care American Florist.

SITUATION WANTED—By a practical gardener, S Scotch, married; thoroughly understands his business; grapes, mushrooms, etc.; private place; Eastern states preferred; state wages. Address L. BOX 78, Great Neck, L. I., N. Y.

SITUATION WANTED—By a young man, German; S experience in growing roses, palms, ferns and mailing stock for 6 years; a place where he can learn some cut flower work and landscape gardening preferred; good references. A. C. LANPHECT, Ashland, Ohio.

SITUATION WANTED—Practical rose grower who S devoted all his lifetime especially in rose culture; capable to take entire charge of commercial place; good funeral designer; single, middle age, of good habits; satisfactory references. Address ROSE GROWER, 125 W. 6th St., Cincinnati, O.

SITUATION WANTED—By a thoroughly practical S gardener, either as foreman or gardener in general; good for palms, ferns; expert in roses, carnations, violets; competent at all departments in or outdoors; 30 years' at the commercial trade; single, steady, industrious, sober. Address P. O. BOX 21,332, Norfolk, Va.

SITUATION WANTED—By single Englishman; 24 S years' experience in private and commercial places; well up in orchids, stove, greenhouse and flowering plants, fruits and vegetables, laying out grounds, floral decorations, etc.; could take entire charge of all-round place; state wages. A., 67 Bromfield St., Boston, Mass.

SITUATION WANTED—Plantsman of practical S experience, posted on all requisites of commercial places, general propagation, cut flowers, roses, carnations, etc. Items of the nurseries, desirable specialty and novelty; executive ability in all branches inside, outside; best references. For particulars address PLANTSMAN, care American Florist.

SITUATION WANTED—As foreman in large commercial place to take full charge; 19 years' experience in growing roses, carnations, violets, chrysanthemums and the forcing of all kinds of bulbs and plants. Has been foreman the last 8 years; best of references; German, 35 years old, married. CHAS. JOHNSON, 40 Forest St., Jersey City, N. J.

SITUATION WANTED—By a capable, energetic S man as foreman; specialist in rose and cut flower growing; practically experienced in all leading branches of the business; German, single; open for engagement at any time desired; only first-class place wanted; best of references; when answering give particulars. Address M. S., care Am. Florist.

WANTED—Florists' wholesale catalogues. MRS. ANNA HEACOCK, Parsons, Kans.

WANTED—All greenhouse supply catalogues and price lists. DR. ALFRED E. BAKER, West Chester, Pa.

WANTED—Second-hand hot water heater for 9x50 house, 700 feet glass; give particulars. BOX 331, Bridgeport, Conn.

WANTED—A quick, reliable young man for the mail plant business in the west. R. R., care American Florist.

WANTED—All catalogues, nurserymen, florists, seedsmen. DR. ALFRED E. BAKER, West Chester, Pa.

WANTED—Partner with \$500 in florist business in a good town in Kansas. Address H. W., care Vaughan's Seed Store, Chicago.

WANTED—Single man for small place with 2 to 5 years' experience and good character; send reference. GEO. V. ADELMAN, Assignee, Franklin, Pa.

WANTED—Good assistant, well up in general greenhouse work, roses especially; German, reference; state wages expected, with board; good at floral work. BOX 824, Spencer, Mass.

FOR SALE OR RENT—Greenhouse, stocked, 2,000 square feet glass; a good chance for a practical florist. For particulars inquire of THEO. NOEHLE, Green Bay, Wis.

WANTED—By an eastern firm, an experienced assistant packer, experienced in filling mail orders. Address with references and wages desired. PACKER, care American Florist.

WANTED—Assistant, one who has had practice in cutting roses and has worked in rose houses; wages \$25 and board to right man. Address POEHLMANN BROS., Morton Grove, Ill.

WANTED AT ONCE—A good reliable young man (German preferred), not over 20 years. Apply, stating wages. GUS A. THIELE, Annapolis Junction, Md.

WANTED—Young man with some experience, as assistant in commercial greenhouses. With board. State wages. Address BRIGGS CONSERVATORIES, Taunton, Mass.

WANTED—Young assistant for private place, single, one who is not afraid to work; must speak English; state wages and reference. Address J. GUENTHER, care Dr. J. H. Vojte, Oconomowoc, Wis.

WANTED—A foreman for herbaceous department, who has a thorough knowledge of herbaceous plants and of their propagation, cultivation and packing for shipment; permanent place for the right party. Address SHADY HILL NURSERY Co., 102 State St., Boston.

WANTED—A man with means enough to build the rooms and me furnish the grounds and take 1/2 interest in greenhouse; no better location anywhere; none in twenty miles in any direction; a town of 2,000 inhabitants; there are several hundred dollars' worth shipped in every season. Address S. W. COX, Bement, Platt Co., Ill.

WANTED—On halves immediately, married man, with special practical knowledge of mushrooms, tomatoes, hot and cold grapes, forcing and propagating flowers, especially carnations, violets, bulbs, orchids; established six years, best trade, constantly increasing; ship direct from houses; telephone connection; plant handy, complete; fuel to door by rail. DR. ALFRED E. BAKER, West Chester, Pa.

FOR SALE—Greenhouses and nursery, living water; choice location and rare bargain. For full particulars address AGENT, P. O. box 53, Denver, Colo.

TO RENT—A well established florist business, twenty years standing, 1 1/2 acres of land with 2,000 feet under glass in 3 houses heated by hot water; heart of city, with 2 acres of land one mile distant; stock of carnations, roses, palms and hydrangeas; cheap. For particulars address MRS. SETH L. COLE, Gloucester, Mass.

FOR SALE OR LEASE.
Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINBORN, Dubuque, Ia.

\$3,500.

BARCAIN FLORIST STORE, fine location, Chicago, main business street, established 13 years; good paying business; owner going to Europe; stock consists of fixtures, seeds, artificial flowers and florist supplies, horses and wagons etc. Also to lease on long time, low rental, desirably located city lots on business street, for greenhouse purposes; excellent opening for retail plant business. Investigate before starting in business.

HORACE R. HUGHES, Room 4, 66 Wabash Ave.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 296 feet front on Belmont Ave. by 70 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL,

Belmont and Western Aves., Chicago.

DAHLIAS.

W. W. WILMORE, Dahlia Specialist.

Bulbs, \$7.00 to \$10.00 per 100.

Descriptive Catalogue.

Box 382, DENVER, COLO.

Mention American Florist.

ORCHIDS OUR SPECIALTY.

The Best and Largest Stock in the World. New & Rare Foliage & Flowering Plants.

A grand selection for Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England.

Mention American Florist.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice.

Try this set, you'll not regret
When you see the beauties blooming.
And don't forget the best thing yet.
They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 70 cents from 2 1/2-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georgeanna, with the finest scarlets, purples, striped and intermediate shades. Double Petunias (Dreers), 2 in., \$2.50; 3 in., \$1; 4 in., \$1 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vicias (Perrywinkle) from flats, \$2; 2 1/2-in., \$3; 3-in., very fine, \$5 per hundred. Begonia Veron, scapigerous, in three colors, the most satisfactory and profitable plant we ever handled, 2 1/2 in., \$2.50; 3 in., \$1.50 per hundred. New yellow daisy, Anthemis Thetoria (single), 2 1/2-in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double from flats, \$2.50; 2 1/2 in., \$3.50 per hundred. Nasturtiums selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark, 2 1/2 in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedmin, 2 1/2-in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2 1/2 and 3-in., \$1 per hundred. Calendula, P. of Orange, Scabiosa Snowball, sweet Alyssum, tall, double and dwarf single, Algonette, Torenia fourneri, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Ediliana, two kinds, 4 in. size, \$3; 6 in., \$5 per hundred dormant roots; Eulalia plant sticks, the nearest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy canna, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding canna, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. Address cash with order please.

J. C. GIBSON, WOODBURY, N. J.

PANSIES.

The Jennings Strain of Large Flowering and Fancy Pansies, field-grown, nice stocky little plants—cold frame size.

THE FINEST STRAIN is what every florist wants. I think you will find mine as good as the best. Stock carried in cold frames, and orders filled any time. 100 by mail 60 cts; 1000 by express \$5.00; 5000 \$20. Finest mixed seed of above Pansies, pkts., 2500 seeds, \$1; per oz. \$5. Yellow same price. Cash with order.

E. B. JENNINGS, Wholesale Pansy Grower, Lock Box 254, SOUTHPORT, CONN.

Pansy Plants.

EXTRA FINE STRAIN.

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Antirrhinum Majus Alba.

SOMETHING NEW FOR FLORISTS' USE.

I offer to the trade well established plants, propagated from cuttings, of this beautiful acquisition to our florists' flowers, which should be in every commercial house, wholesale or retail.

It is of the easiest culture and produces an abundance of spikes three feet or more in length.

Everyone admires it. Wonderfully taking with the Retail Trade. It possesses marvellous keeping qualities.

Grown on benches, ten inches apart, in rich soil; in a cool house it is wonderfully productive and exceedingly profitable. I advise growing on benches, where it is to remain next winter, though it could be grown in the field or pots and run in the benches after the chrysanthemums come out with perhaps greater profit.

Our exhibit of Antirrhinum Majus was greatly admired by the experts at the Carnation Convention in Boston.

No Retail Florist can afford to be without it. I am booking orders for delivery this spring, April and May, at the following prices for well established plants.

Per Hundred..... \$6.00
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ROSES, GERANIUMS, BEGONIAS, MUMS, CARNATIONS, and
A complete general line of stock.
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Well Rooted of Per 100
METEOR, 2 and 3 eyes, at..... \$18.00
Mermets, Brides, Perles, etc., at..... 15.00
2 1/2-inch Teas, at..... 25.00
Bridesmaids, at..... 30.00

We are specialists for Violet blooms, cuttings and clumps—Marie Louise and Lady Campbell.

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Mention American Florist.

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NEW VIOLET 1895 FLORAL WONDER . . . THE CALIFORNIA

Immense in Size; Stem, 12 inches long; Intensely Fragrant; Color Pure Violet Purple.

A STERLING NOVELTY.

IT HAS CAPTURED THE SAN FRANCISCO MARKET.

Last year a few thousand flowers were offered in San Francisco, and they were sold for *Ten Times the Price* of Marie Louise and Russian. Plant vigorous and absolutely free from disease. Does not fade out. Last season several hundred flowers were picked from a single plant.

For full particulars and price,

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SAN FRANCISCO, CAL.
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Here is a Bargain in SWAINSONA.

We have reduced our former price on Rooted Cuttings of Swainsona, and can now sell them to you as cheap as any one else. Write for prices before the stock is sold.

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ROSES Strong, healthy plants from 2, 2 1/2 and 3 inch pots, \$3, \$4 and \$6 per 100. Am. Beauty, Bride, Mermet, Niphotos, Perle, Sunset, Wootton, Meteor, Albany, La France, Testout, Victoria, M. Niel, Bridesmaid, Watteville, The Queen, Mme. P. Guillot, S. d'un Ami, &c.

VERBENAS Good assortment clean, healthy plants from 2 inch pots, \$2.50 per 100, \$20 per 1000. Rooted Cuttings, 75c. per 100, \$7 per 1000.

VIOLETS Marie Louise and Swanley White, strong plants from 2-inch pots, \$3 per 100, \$25 per 1000; no disease.

CARNATIONS Leading kinds from 2-inch pots, \$2.50 to \$5 per 100.

PELARGONIUMS Victor, Fred Dornier, plants 75c. and \$1 per doz. TERMS CASH.

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PINK AND WHITE ERICAS (Scotch Heather), in bloom now, fine plants.

\$1.00 each; \$10.00 per dozen.

Also 600 for Easter. Also all kinds of Easter plants in prime condition.

ANTON SCHULTHEIS, P. O. box 78, COLLEGE POINT, L. I., N. Y.

Toronto.

Those florists who attend the market have been anxiously waiting for a mild Saturday in order to unload some of their surplus stock of bulbous stuff, both potted and cut, but somehow although there have been many mild days lately they never happened to come on Saturday, which is very annoying, not to say trying to the temper, and I regret to report that I heard one of the said florists indulging in some exceedingly unparliamentary language on the subject. This was not wise, but the provocation being great I forgave him. So he said he would not do it any more unless it occurred again.

The executive committee of the Gardeners' and Florists' Association met in the Park Commissioner's office last Wednesday and arranged a prize list (without the prizes) for the next chrysanthemum show. Some few improvements were made and a few sections were added, but taken altogether there will not be much difference when compared with last year's list.

Violets are very plentiful now. Mr. A. Gilchrist says that Lady Campbell has done well with him this year, better than Marie Louise. Carnations are coming in from all quarters very fine, likewise roses. We could furnish the flowers for a Gould-Castellane wedding nicely just now.

The boys are anxiously waiting to hear the date of that oyster supper. E.

Kansas City, Mo.

The past week trade in cut flowers and decorations has been very quiet, and the mild weather has made stock somewhat more plentiful, especially violets, which are being brought in in quantity. Pot plants, especially cinerarias and hyacinths, sell very well. Greenhouse men are feeling very much better just now, as the mild weather is bringing them lots of visitors, and most of them invariably leave a few dimes, much to the delight of the needy florist who has been giving all he made to the coal man, and some to the water man. It is really distressing to see a man with 7,000 feet of glass having to buy water by the barrel. Those who do a shipping trade report business extra good.

The Probst Floral Company is growing a house of H. P.'s in pots and boxes which are looking fine. This is the first time Kansas City has had a house of these. It is an experiment and risky, but it is to be hoped they will sell well. They also show a house of L. Harrisii which will just make it for Easter, something over 2,000. Also 1,000 Hydrangea hortensis and 500 Thos. Hogg. Easter is the best time in all the year to sell cut flowers and plants in bloom. In fact, we all look forward to Easter as our harvest. It has steadily increased for the past five years, and the outlook this year is just as good, and we all hope a little better. S. MURRAY.

We Pay the Express.
PANSIES AND VERBENAS.

BUGNOT'S superb blotched..... } 70c. per 100.
CASSIEN'S superb plant..... } \$1.50 per 100
ODIER'S superb plant..... } \$20.00 per 500
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MAMMOTH VERBENAS in best colors, 70c. per 10
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CANNAS—Queen Charlotte..... each 40 cts.
—Florence Vauhat..... per 100 \$7.50.
CALLA—Elliott's Little Gem, 2-1/2 in. \$6.00; 2-1/2 in. \$8.00 each

CHRYSANTHEMUMS—Mrs. W. H. Rand..... 50
—Mrs. Moses J. Wentworth..... 35
—Crystallina..... 35
—Gert Eddy..... 35
—Jayne..... 35

CARNATIONS—Strong plants from flats, \$4 per 100
Sweetbrier, Thos. Cartledge, The Stuart, Daybreak, Albertini..... Per 100

ROSES—Crimson Rambler, 2-1/2-inch pots, fine large plants, in bud and flower..... \$15.00
—Hermosa, 2-1/2-inch pots (dormant stock cut back)..... 6.00
—Hermosa, dormant..... 5.00

H. R. Roses—Budded, fine, clean, 2 year old stock of all the leading varieties, at..... 10.00

PELARGONIUM—Mme. Vibert (new) strong plants. 3-inch, will flower this spring, per doz. \$2.50

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STROBILANTHES DYERIANUS, strong plants from 2-1/2-inch, per doz. \$2.00; \$1.00 per 100.

Large stocks of Bedding Plants of all kinds: Palms, Araucarias, Dracenas, Rubbers, Ferns, Pandanus, etc.

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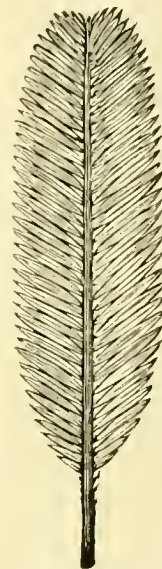
10,000 Berberis Thanberill, 1 1/2 to 2 ft.
20,000 " red berried, 2 to 3 1/2 ft.
15,000 " purple leaved, 2 to 3 1/2 ft.
20,000 Buckthorn, 2 to 4 ft.
30,000 Californian Privet, 2 to 3 ft.
10,000 Common Privet, 3 to 6 ft.
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Also Allsea, Snowberry, Spiraea, Viburnum, Cornus, White Lilac, 3-thorned acacia, and all Evergreen Hedge plants. Priced catalogue to any address.

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ROOTED CUTTINGS.
Carnations—McGowan, Portia, Freeman, Cartledge, Aurora..... per 1000 \$9.00, per 100 \$1.50
Albertini, Sweetbrier, Pixley..... 1.00
Daybreak..... 2.50

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Coleus, Heliotrope, Ageratum, etc., at popular prices.
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READY NOW.

50,000 each of McGowan and Day break, other varieties in proportion, Mrs. Fisher, Helen Keller, Sweetbrier, Stuart, Buttercup, Iago, Jacqueminot, Scott, Cartledge, Aurora, Portia and Dorner.

Write for prices, stating how many you will want of each variety. The price will be reasonable and the stock warranted well rooted and healthy, with the privilege of not accepting it if found otherwise.

Pansies from cold-frames will soon be in order; they are the same strain as those I sell in the fall, and are cheap at \$1.75 per 100; \$15.00 per 1000 (in bud and bloom).

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MARIE LOUISE, Per 100 \$1.00 Per 1000 \$6.00

This stock has been selected from the best grower, whose cut of blooms we have handled this season, the same having been superfine the entire season. There has not been a trace of disease at any time in the plants, and we recommend them in every particular as the very BEST STOCK on the market.

Plants ready for Shipment March 15th.
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Alternanthera p. major and Aurea nana, 50c. per 100 by mail; \$4.00 per 1000 by express.

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Ageratum White Cap and a good blue, 50c. per 100.

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Will undoubtedly be the leading variety for the cut flower or exhibition the coming season.

If you have not ordered yet, do so promptly. It will pay you.

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The greatest Prize Winner ever raised.
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Chrysanthemums AND Carnations.

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Prices on application.

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Kills Mildew and

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What does?
GRAPE DUST.

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CLEMATIS.—Large flowering 2 years. In variety, \$3.00 per dozen; \$22.50 per 100, home grown.

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Longfellow and Snowflake, in bloom, \$2.00 per 100.

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Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

"A POPULAR TREATISE on the physiology of plants" is the title of a book by Dr. Paul Sorauer of Silesia, translated into English by F. E. Weiss. It is designed for the use of gardeners and horticultural students, and will be found very valuable to any one interested in structural botany. It is not merely a scientific treatise dealing with abstractions, but while describing organs and their uses it treats the matter horticulturally as well as botanically. The chapters on roots, their nutrition and treatment, the stem and its functions, the leaf, and the treatment of leaves, and the theory of watering, are most valuable, and will be appreciated by florists; it is rarely we find a book of this class which considers their point of view. The book is freely illustrated, well bound and well printed. (Longmans, Green & Co., New York, publishers.)

SOME FINE CINERARIA blooms were recently received from Mr. J. Smith, Cleveland, O. The blooms were very richly colored, and measured 3 1/4 to 4 inches across. Mr. Smith writes us that he has a batch of between seven and eight hundred plants in 5 inch pots, and it would be difficult to find any three alike in color.

This is the last call for advertisements in our special spring number to be issued next week. Advertisements must reach us by Wednesday morning, the 20th inst., at the latest.

SUBSCRIBER will find full answer to his inquiry about sow bugs on page 696 of our issue for March 10, 1892.

OUR special spring number will be issued next week.

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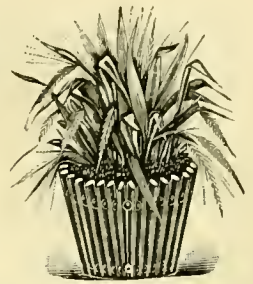


Pat. Plant Tubs.

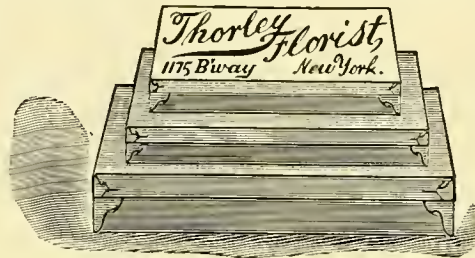
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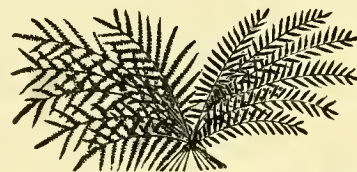
We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

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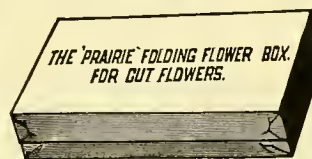


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We are prepared to fill your orders with first-class flowers. Give us a trial order.

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Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

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Cut Flowers.

	NEW YORK, Mar. 12.
Roses, Niphotos.....	1.00@2.10
" Perle, Hoste.....	1.00@2.00
" Mermet, Cusin, Watteville.....	2.00@4.00
" Bride, Bridesmaid.....	3.00@8.00
" La France.....	4.00@8.00
" Testout.....	4.00@8.00
" Meteor.....	4.00@8.00
" Beauty.....	20.00@50.00
" " seconds.....	5.00@15.00
" Hybrids.....	10.00@25.00
" Jacqs.....	2.00@8.00
Carnations.....	75@1.00
" fancy.....	1.50@2.50
" Valley.....	1.50@2.50
Narcissus.....	1.00@2.00
Daffodils.....	1.00@2.50
Freesia.....	1.00
Tulips.....	1.00@2.00
Harrisll lites.....	6.00@8.00
Mignonette.....	4.00@15.00
Cattleyas.....	25.00@35.00
	BOSTON Mar. 12.
Roses, extra selected.....	10.00@15.00
" Mermets, Brides.....	4.00@8.00
" Niphotos, Perle.....	4.00@6.00
" Bon Silene, Gontier.....	2.00@3.00
" Bridesmaid, Testout.....	4.00@10.00
" Meteor.....	4.00@10.00
" Beauty.....	25.00@50.00
" Jacqs.....	6.00@8.00
" Hybrids.....	8.00@25.00
Carnations.....	6.00@3.00
" fancy.....	3.00@4.00
" Valley.....	2.00@4.00
Hyacinths, Freesia.....	1.00@2.00
Narcissus, single.....	2.00@3.00
" double.....	3.00@4.00
Tulips.....	2.00@4.00
Harrisll callas.....	10.00@12.00
Violets.....	50@.75
Smilax.....	15.00@20.00
	PHILADELPHIA Mar. 12.
Roses, small.....	4.00@5.00
" large teas.....	6.00@8.00
" extra select.....	10.00@15.00
" Beauties.....	35.00@50.00
" Brunners.....	50.00
Laing.....	25.00
Carnations.....	1.50@2.00
" extra.....	2.50@3.00
Asparagus.....	35.00@50.00
Violets, double.....	50@.75
" single, per 100 bunches.....	82.50@84
Valley.....	4.00
Daffodils.....	3.00
Cattleyas.....	25.00@35.00
Cyripediums.....	15.00@21.00
Smilax.....	15.00@18.00
Tulips.....	4.00@5.00
	CHICAGO, Mar. 14.
Roses, Beauties, selected.....	2.00@50.00
" " seconds.....	8.00@20.00
" Testout, Brides, Bridesmaid.....	5.00@7.00
" La France, Wootton, Mermets.....	4.00@6.00
" Perle, Niphotos, Gontier.....	2.00@4.00
" Jacqs.....	6.00@12.00
Carnations, common.....	1.00@1.50
" fancy.....	2.00@3.00
Valley.....	3.00@4.00
Paper White, Romans, Freesia.....	3.00@4.00
Tulips.....	3.00@4.00
Daffodils.....	3.00@4.00
Dutch hyacinths.....	4.00@8.00
Harrisll, Callas.....	5.00@8.00
Violets.....	.50@.75
Smilax.....	20.00@25.00
	BUFFALO, Mar. 11
Roses, Brunners, Jacqs.....	12.00@15.00
" Beauties.....	15.00@20.00
" Mermet, Bride, Bridesmaid.....	6.00@8.00
" Meteor.....	6.00@8.00
" Perle, Hoste, Cusin.....	4.00@6.00
Carnations, long.....	1.50@2.00
" short.....	1.25
" Daybreak.....	2.00@2.50
Harrisll.....	12.00@15.00
Callas.....	8.00@12.00

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 Successor to PECK & SUTHERLAND,
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 New England Agent for the GREAT ANTIPEST.

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 METS, BRIDES, GONTIERS, CARNATIONS,
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American Beauty,
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 408 East 34th Street,
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 Cut Flower Exchange,
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The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

ONION SEED is dull.

THE Johnson, Robbins Co. has been re-organized.

MR. W. ATLEE BURPEE has returned from Florida.

J. E. KILLEN is now with Wm. Hageman of Philadelphia.

VISITED CHICAGO: Joseph Rolker, John Barclay, J. C. Rennison.

MR. GREGORY, the seedsman, has offered through the *Christian Herald* to supply one thousand destitute families in the West with a free supply of garden seeds.

E. V. HALLOCK's contract with Messrs. Vilmorin, Andrieux & Co. having expired March 12 he no longer represents them. His plans for the future are not yet decided on.

CONTINUED cool weather or some better reason still holds the mail trade receipts below those of this season last year; there is still time for it to come stronger, but the season is already well advanced.

INCORPORATED: The Sibley Seed Company at Sibley, Ill.; capital stock \$15,000; to grow seeds; incorporators, J. H. Beagley, Thomas J. Ruff, Frank Skinner, George Stockdale, C. W. Cook and W. A. Ricket.

DOLTON, ILL.—L. Schroeder is now out of the business here, having leased his place to A. Tunsberg of Park Ridge. Mr. Tunsberg will continue his place at Park Ridge, which is devoted to bedding plants and vegetables, and will make carnations his specialty at Dolton.

Known
Everywhere.
Sold Everywhere.
Grown Everywhere.

FERRY'S SEEDS

Ask your dealer for them. Send for
Ferry's Seed Annual for 1895.
Invaluable to all planters and lovers
of Fine Vegetables and Beautiful
Flowers. Write for it—Free.
D. M. FERRY & CO.,
Detroit, Mich.

CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established.

Lil. Auratum, Spec. Rubrum and Album, Etc.
Iris Kämpferi, in 100 choice varieties.
Japanese Maples, in best varieties.
Camellias, Paeonies, Tree Ferns, Raphis, Etc.
Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

F. Gonzalez & Co.

303 to 312 Wayne St., SAN FRANCISCO, CAL.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

BULBS FOR SPRING TRADE.

We have now on hand for immediate and future delivery, specially large, select bulbs of the following kinds, which are offered subject to being unsold upon receipt of order at the following low prices.

6 at dozen rate; 25 at 100 rate; 250 at 1000 rate.

	Per doz.	Per 100	Per 1000
LILIUM AURATUM:			
7 to 9 inches in circumference, especially fine	\$0.75	\$4.50	\$40.00
9 to 11 "	.75	6.00	55.00
LILIUM SPECIOSUM RUBRUM:			
7 to 9 inches in circumference	.75	5.50	50.00
9 to 11 "	1.25	8.00	75.00
LILIUM SPECIOSUM ALBUM:			
7 to 9 inches in circumference	1.25	8.50	80.00
BEGONIAS, TUBEROUS ROOTED:			
Immense bulbs, measuring 5 to 7 inches in circumference, from the finest European strains, RED, ROSE, YELLOW, ORANGE, BRONZE and WHITE, in separate colors	.75	4.50	40.00
FINEST SINGLE MIXED	.60	4.00	35.00
FINEST DOUBLE MIXED	1.75	12.00	
DAHLIAS:			
Large field roots, selected named kinds for florists' use, Double Large Flowering, Pompon, Cactus and Single Flowered	1.50	12.00	
Double or Single Mixed	1.00	8.00	
GLADIOLUS:			
All colors mixed	.15	1.00	8.00
Pine American Hybrids, mixed	.20	1.25	10.00
White and Light, extra choice for florists' use	.60	4.00	30.00
White and Light, standard selection	.30	2.00	18.00
CALADIUM ESCULENTUM: Clean, sound bulbs.			
4 to 5 1/2 inches in circumference	.50	3.00	25.00
6 to 8 "	.75	5.00	45.00
8 to 10 "	1.00	8.00	75.00
10 to 12 " monster bulbs	1.50	10.00	
TUBEROSES: Double Excelsior Pearl.			
4 to 6 inches in circumference	.15	1.00	9.00
3 to 4 " all flowering bulbs	.50	4.00	
Tall double, 4 to 6 inches in circumference	.15	1.00	9.00
GLOXINIAS:			
Mixed extra large bulbs, some measuring as much as 9 inches in circ.	.75	6.00	
" second size bulbs, all flowering bulbs	.60	4.00	
White, large bulbs	1.25	9.00	
HYACINTHUS CANDICANS.	.50	3.00	16.00

Florists and dealers wishing to secure their supplies for spring delivery when weather opens, can do so by placing their orders now.

PITCHER & MANDA, Inc., Short Hills, N. J.

Mention American Florist.



N. DAMES,
OF THE FIRM

G. van der Horst & Co.,
BULB GROWERS,
Heemstede, - Holland,

Is on his round trip in America. Up to April 15th all letters and communications directed to G. van der Horst & Co., care of Knauth, Nachod & Kuhne, 13 South William Street, New York, will have prompt and careful attention. Our prices are reasonable. OUR MOTTO—Excellent stuff makes cheap prices. Up to now we have not one claim—everyone who deals with us is satisfied.

THE BROWN BAG-FILLING MACHINE CO.,

MANUFACTURERS OF

AUTOMATIC MACHINES FOR PUTTING UP SEEDS,

FITCHBURG, MASS.

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1,000,000 TREES

Over 1,000 varieties. Fruit and Ornamental Shrubs, Vines and Roses. All standard and special varieties. Send for illus. Catalogue. **W. S. LITTLE & CO. Rochester, N. Y.** or 52 Exchange Place, N. Y. City.

Jno. F. Croom & Bro.,

WHOLESALE

Tuberose & Caladium Growers

MAGNOLIA, N. C.

Jobbers only please correspond with us in regard to contracts. Prices right.

FOR SPECIAL OFFER OF

TULIPS, Etc.

By the thousand or ten thousand, only of one variety, from **J. SCHILPZAND & SONS,** Hillegom, Holland, apply to their agent:

C. RAUX, P. O. Box 293B, New York City.



THE ONLY EXCLUSIVE
Wholesale Garden Seed Establishment
 in the WEST.

Our annual price list is now ready. Please write us for a copy. **It will save you money.**

We handle nothing but the

Choicest Stocks.

NORTHRUP, BRASLAN, GOODWIN CO.,

55, 57 & 59 North Jefferson Street,

Mention American Florist.

CHICAGO.

**WE SELL
 BULBS**

TULIPS, all leading market sorts at from 20 to 40 per cent. lower again.

HYACINTHS, all the best varieties for forcing. Small, pure white and other colors to succeed the Romans.

DOUBLE YELLOW DAFFODILS (Van Sion) in any quantity.

NARCISSUS, Horsfieldii, Sir Watkin, Trumpet major, Albus plenus odoratus, and other sorts.

SPIRAEA compacta grandiflora, and Spiraea astilboides.

GLADIOLUS The Bride, for forcing, in any quantity, at a fair price.

White Spanish Iris, like orchids.

Lilies and other bulbs and bulbous roots for forcing and cut flowers.

Send list of what you need before ordering elsewhere.

SEGERS & CO.,
 BULB GROWERS,

LISSE, near Haarlem, Holland, Europe.

Registered cable address SEGERSCO, Lisse, Holland.

ESTABLISHED, 1874.

WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

WEEBER & DON,
 Seed Merchants and Growers.

114 Chambers Street, NEW YORK.

M. KEPPLER,

Dealer in J. M. THORBURN & CO.'S

HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty. 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.

METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

BURPEE'S SEEDS ARE THE BEST
 For Florists and Market Gardeners.
WARRANTED;—"Few Equal—None Better."

Special Wholesale Price List mailed Free on application, together with "A BRIGHT BOOK ABOUT SEEDS," novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

P. VOS & CO., Sassenheim, Holland,
 GROWERS OF
Hyacinths, Tulips, Crocuses, Narcissus, etc.

WE ARE ABLE TO QUOTE THE LOWEST PRICES FOR WHOLESALE DEALERS.
 Address all Correspondence to Myers' Hotel, Hoboken, N. J.

Special Growing of **FRENCH BULBS**

ROMAN HYACINTHS White, Rose, Blue.
NARCISSUS—Von Sion, early; Paper White; Grandiflora totus albus.
LILIUM CANDIDUM.

FRESIA REFRACTA.
ALLIUM NEAPOLITANUM.
TRUMPET MAJOR, real.
 And many others good for forcing.

IMMORTELLES, in all colors.

Send for catalogue.

CABLE ADDRESS:
 ROCHE, OLLIOULES.

A. ROCHE, Ollioules, var, France.

FROM JAPAN.—Bulbs, Seeds, Trees, Palms, Etc.
FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.
FROM CALIFORNIA.—Bulbs, Seeds, Trees, Etc.

Orders booked up to Dec. 1 for Cycas Revoluta Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,
 (Established 1878.) SAN FRANCISCO, CAL.
 Oldest and most reliable import house.

BULBS.

Hulsebosch Bros.

ENGLEWOOD, N. J.

SELL ALL KINDS CHEAP.

SEEDS
 Of all kinds, true to name and fresh.

Jos. F. Dickmann,

1110 N. Third St., and Gravois and Oregon Ave.,
 Send for my New Catalogue, FREE. ST. LOUIS, MO.

CHOICE

FLOWER SEEDS FOR FLORISTS

Our Specialty.

Fresh seed just arrived. New crop Sweet Peas just received.

Price List for florists free on application.

HERRMANN'S SEED STORE,

413 EAST 34TH STREET,

Near Long Island Ferry, NEW YORK.
 Mention American Florist.

SOMETHING of INTEREST TO

Market Gardeners and Truckers

to be had for the asking. Write now for it.

Address **JOHNSON & STOKES, Seedsmen,**
 217 & 219 Market St., Philadelphia, Pa.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER,
 QUEDLINBURG, GERMANY.

Worcester, Mass.

The first spring exhibition of the Horticultural Society was held on Thursday, March 7, and some very fine exhibits were staged. Mrs. H. M. Chase was awarded first in both hyacinth classes, and exhibited some splendid spikes; the cyclamens shown by A. A. Hixon, C. D. Thayer and F. A. Blake were also very fine. A nice display of primulas was made by F. A. Blake, A. A. Hixon and M. F. Brierly, and splendid carnations were brought in by H. F. A. Lange and F. A. Blake; a great improvement in the quality of the carnations, in comparison to those shown last year, was very apparent. Very fair azaleas, callas and cut flowers made up the balance of the show, which, as the first show of the year, was very creditable. While the judges were performing their duties in the hall, Dr. C. F. Hodge, of Clark University, gave a very entertaining talk in the library on "An ideal botanical garden," dwelling on the gardens at Antwerp, and relating some very pleasant reminiscences.

A great rush of funeral work has kept us very busy this last week, and has made white stuff rather short; the regular cut flower trade continues to hold good, with prices firm.

Mr. C. W. Ward, accompanied by H. F. Littlefield, paid us a flying visit on the twelfth.

Last week's FLORIST made me say that the subject of Burton W. Potter's talk before the Horticultural Society was the preservation of our florists; it should have been the preservation of our forests. A. H. L.

Washington.

All flowers are plentiful in the markets (except roses), and are of unusually good quality; prices low, yet they go slowly. Buyers seem scarce, this I presume is due to the quiet of the Lenten season. The market florists are complaining of the dullness of trade. The cut flower trade has been very good all the season up to the beginning of Lent, but the plant trade has been unusually poor all winter; particularly is this true of the decorative plants. The florists are all looking forward to a good season in spring bedding plants, for which all are making ample provision.

Mr. Wm. R. Smith has been confined to his room for the past week nursing a severe cold. It had been his intention to attend the meeting of the executive committee of the S. A. F. at Pittsburg this week, when he expected to tell the committee what has been done and what he expects to do during the next congress, with reference to the S. A. F. charter.

REYNOLDS.

LAST CALL

for advs. in our

SPECIAL
SPRING
NUMBER

to be issued

NEXT WEEK.

Advs. must be received by
March 20 to be in time.

AZALEAS FOR EASTER.

HENRY A. DREER,

714 Chestnut Street,

PHILADELPHIA.

We can still furnish a fine lot of Azaleas in prime condition for Easter forcing. ORDER NOW while the buds are not too far advanced as they will reach you in much better condition now than later in the season. We offer beautiful specimen plants in two sizes, grand stock in every way.

CROWNS, 24 inches in diameter, \$3.00 each; \$35.00 per dozen.

CROWNS, 18 inches in diameter, \$2.50 each; \$30.00 per dozen.


A fine lot of 12 to 15 inch Crowns, well set, at \$9.00 per dozen; \$70.00 per 100.

Also a lot of small plants with crowns about 8 inches in diameter, at \$3.50 per dozen; \$25.00 per 100.

ROSES. ROSES.

In all the best standard varieties, suitable for forcing and bedding out, at prices to suit the times.

JOHN N. MAY, Summit, New Jersey.



The Wonderful
NEW ROSE—CRIMSON RAMBLER

The most remarkable ROSE introduced in many years. "300 blooms on one shoot."
"The gem among the novelties."—LONDON (ENG.) TIMES.
Circular giving full description and price, with handsome colored plate free.

ELLWANGER & BARRY, (1840—Mount Hope Nurseries—1895), Rochester, N. Y.

From 2½-in. pots, now ready to ship, in splendid condition.

ROSES AMERICAN BEAUTY, \$6 per 100.
BRIDES, and BRIDESMAID, \$3.00 per 100.

BASSETT & WASHBURN, HINSDALE, ILL.

"ROSE LEAF" EXTRACT OF TOBACCO, INSECTICIDE,

Death to Aphis, Red Spider, &c.

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LOUISVILLE, KY., U. S. A.

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- Edw. Schmid, 712 12th St., N. W., Washington, D. C.
- F. Macrae, 1138 Smith St., Providence, R. I.
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VIOLETS MY SPECIALTY

Ready for Delivery April 1st.

Runners of Marie Louise, warranted free and clear of disease. Marie Louise, \$4.00 per 1000.

SUMMER MUSHROOM (*Agaricus subrufescens*) the genuine spawn, easily raised by all. Price reduced: 5 lbs. \$2.00; 2 1/2 lbs. \$8.00; 100 lbs. \$30.00 with printed directions.

Cash with all orders.

FRED. BOULON, Sea Cliff, N. Y.

Prices Greatly Reduced.

CAPE COD PINK POND LILY.

For price lists, Plants and Cut Flowers address the original cultivators,

CHIPMAN BROS., SANDWICH, (Cape Cod), MASS.

- | | |
|--|----------------|
| | Per 100 |
| Hydrangea Thos. Hogg, 2½-in. pots..... | \$4.00 |
| Pansies, from cold frame, transplanted..... | 5.00 |
| Roses, monthlies, 2 year, suitable for 4 and 5-inch pots..... | 5.00 |
| Roses, 2 year, suitable for 3½ and 4 inch pots, H. and Muss..... | 6.00 |
| Petunias, dbl. fine strain, ass't'd, 2-in., strong 2.50 | |
| Chrysanthemums, splendid ass't'm't, 1000, \$20 2.50 | |
| Palm Washingtonia Filifera, 2½-in..... | 4.00 |
| Chamaerops Excelsa..... | 4.00 |
| Ceraniums, Zonal, 2½-in. pots, good assortment, none but the best varieties..... | 100 \$25. 3.00 |
| Ceraniums, Ivy, Florens, Jean d'Arc, Galilee, 3.00 | |
| " Happy Thought, \$4 00; Mrs. Pollock 5.00 | |
| Sanseveira Zeylanica, strong..... | 4.00 |
| Lemon Verbena, strong..... | 3.00 |
| Ampelopsis Veitchii, 1½ to 3 feet, dormant. 4.00 | |
- ☞ Cash or satisfactory reference required.

THOS. A. McBETH, Springfield, O.

2000 JACK ROSE PLANTS

on their own roots, well branched, 2½ to 3 feet high, \$10 per 100. 3 to 4 feet high, \$15 per 100. Sample of 8 for \$1.00.

JORDAN FLORAL CO.,

706 Olive Street, ST. LOUIS, MO.

New Fuchsia LITTLE BEAUTY. 50,000

The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$5.50 per 100. BEACONIA OBIVA, from 2½-in. pots, \$3 per 100. GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$3.25 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist, 4010 Butler Street, Pittsburgh, Pa.

20,000 ROOTED ROSE CUTTINGS.

☞ Brides, Mermets, Niphotos \$11 per 1000. La France, Meteor, Perle, Gontier, Hermosa, \$ 3 per 100. Trailing Variegated Vines, \$1.00 per 100. 4 varieties Ageratum them, \$4.00 per 100. sawy. Chas. Taylor Ivy Geranium, \$2.00 per 100. These are all fine, large, well rooted, and will please. Cash with order. Add 10c per 100 by mail. J. J. LAMPERT, Xenia, O.

The Rose for the Million!!

BELLE SIEBRECHT.

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

MORE TESTIMONIALS FROM PROMINENT ROSE GROWERS:

DEAR SIR:—The new Rose, "Belle Siebrecht," is a very valuable rose for winter forcing. The form is exquisite, the foliage handsome, the color charming, rich, bright, and of an entirely distinct new shade; it is also very healthy in growth and a constant and very free bloomer. Please book my order for 1,000.

Yours truly,
ROBERT CRAIG, West Philadelphia, Pa.

It affords me much pleasure to express to you my thanks for the bunch of Belle Siebrecht roses you had the kindness to send to me. After having graced the tables of the N. Y. Florist Club annual dinner two days ago I find it to be a remarkable good keeper, having kept it for three days longer without its losing any of its brilliant color, and it appears as fresh now, after be-

ing out five days, as if just cut. As seen growing at your place I shall pronounce it after a careful examination a remarkable free bloomer, healthy grower, and one that is not easily attacked by mildew, and a welcome addition to our list of forcing roses.

ERNST ASMUS, West Hoboken, N. J.
WASHINGTON, Dec. 5th, 1894.

MESSRS. SIEBRECHT & WADLEY, New Rochelle, N. Y.:
GENTLEMEN:—We have received your circular letter together with price list of your new Rose, Belle Siebrecht, which we inspected in your houses some time ago. Please book our order for 2,000 plants, to be delivered April 15th next.
Yours very truly,
STRAUSS & CO.

This rose is the result of years of patient work by one of the best rosarians in the world. It is not sent out to be "tried." We have subjected it to the most severe tests, and are now fully satisfied that it is the best florists' rose in existence. It is not a mere sport, but is of a distinctly new strain, the result of a cross between La France and Lady Mary Fitzwilliam. Its pedigree is all right. Orders booked now and will be filled in strict rotation. Strong plants ready for delivery April 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

New York Office, 409 FIFTH AVE.

NEW ROCHELLE, N. Y., U. S. A.

Roses Plants.

TREES, SEEDS, ETC.

We have NOW READY in our Greenhouses

Over Two Million

ROSES, PLANTS, TREES, &c.

And are prepared to fill any order at once.

Send in your list and we will give you figures by return of mail. Satisfaction guaranteed or money returned.

Address **NANZ & NEUNER,**
LOUISVILLE, KY.

FOSTITE, A PERFECT REMEDY to

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out

Fostite, 25 lbs \$2.00. Bellows, \$3.50. Cash with order.
Sold by all dealers and by

C. H. JOOSTEN, 3 Coenties Slip, New York.

E. G. HILL & CO.,
Wholesale Florists
RICHMOND, INDIANA.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER,
JAMAICA PLAIN, (Boston), MASS.

ROSES.

ROSES.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

CATALOGUES AND
PRICE LIST FREE.

PAINESVILLE, Lake Co., OHIO

BEAUTIES, MERMETS, CUSINS,
PERLES, BRIDESMAIDS, BRIDES,
WOOTON, WATTEVILLES AND
Rooted Cuttings. Cash with

ROSES

BELLES, TESTOUTS, NIPHETOS,
METEOR, HOSTE, LA FRANCE,
AUGUSTA VICTORIA.
order. Address for quotations.

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

Mention the American Florist when
writing to advertisers on this page.

ALWAYS mention the AMERICAN FLO
RIST when writing to advertisers.

Cincinnati.

The March meeting of the Cincinnati Florists' Society was held at the society's rooms in the flower market, Saturday eve, March 9.

Business has been good during the past week and compares very favorably with that of other years at this same time. Larger orders have been conspicuous by their absence, for there were but few parties, receptions, etc., during the early part of Lent. Flowers of all kinds have been plenty among the retailers, but the wholesale men still cry for more and better roses. The same thing holds here as elsewhere, good stuff sells well and at good prices, but poor stuff is hard to dispose of at any price. The few days of sunny weather in the early part of the week brought out the roses some. Sunshine has been a scarce article with us for some time, and we were looking forward to a continuation of such profitable weather when the unlooked for windy and very severe cold snap came freezing up unprotected violets, and most of the Florists' Club members to their homes and furnaces on last Saturday eve, for they were not at the meeting.

Bulbous stuff is extremely plentiful, and much of it goes slowly, except freesia and valley. Harrisii and tulips are almost a glut. Violets are in fair demand, but there is a greater quantity coming in.

Among roses some good Brunners are now coming in from local growers, also Neurons and a very few Rothschilds. Roses generally sell very well.

There are some fine cinerarias in the market just now, Mr. Popp of Covington and Mr. Linfoot of College Hill have some prize winners. P.

NEXT WEEK you will receive our special spring number.

Carnations, Rooted Cuttings.

Helen Keller, Sweetbrier, Jacqueminot, The Stuart, Goldfinch, \$5.00 PER HUNDRED.

Buttercup, \$3.00 Per Hundred. Wm. Scott, \$25.00 Per Thousand. Daybreak, Elizabeth Reynolds Richmond, \$200 Per Hundred. \$15.00 Per Thousand.

Portia, Tidal Wave, McGowan, J. J. Harrison, Nellie Lewis, Puritan, Golden Gate, Anna Webb, Dawn, \$1.25 per hundred, \$10.00 per thousand. Well rooted and healthy stock. Cash with order.

C. B. HUMPHREY, Rome, N. Y.

CARNATIONS ROOTED CUTTINGS. SCOTT, KELLER, SWEETBRIER, DAYBREAK, MCGOWAN, etc.

CHRYSANTHEMUMS PHILADELPHIA, Mrs. W. H. Hurley, Dailedouze, Queen, Bonnafon, Niveus, Pres. Smith, Mutual Friend, etc. Complete price list on application.

SAMUEL J. BUNTING, Elmwood Ave. & 58th St., PHILADELPHIA, PA.

Wm. Scott and Goldfinch

Clean, healthy, well rooted cuttings now ready. Wm. Scott is the most productive and the most profitable pink carnation grown. Free from rust. \$3.00 per 100; \$25.00 p-r 1000.

Goldfinch is like Wm. Scott except in color which is a beautiful yellow. Free from rust. \$5.00 per 100; \$40.00 per 1000.

Geo. Hancock & Son, Grand Haven, Mich.

CARNATIONS.

Rooted cuttings American Flag, Red Cross, Fred Dorner, Silver Spray, Golden Gate, Mrs. Fisher, Tidal Wave, Lizzie McGowan, Grace Wilder, Pres. Garfield, Little's White, well rooted and healthy. \$1.25; 1000, \$10.00.

THOS. A. McBETH, Springfield, Ohio.

TWO POINTS

FOR CARNATION BUYERS.

GET THE BEST.—Here's a quartette of them: Wm. Scott, finest pink of solid color; ALBERTINI, peerless, in all qualities; DAY-BREAK, unrivalled in its delicate flesh tones; MCGOWAN, the white of whites.

GET THEM GOOD.—We grow them cool, root them cool, and take our cuttings from blooming stems only, carefully selected, carefully rooted, and carefully packed for shipment. Our stock is in fine health and vigor.

Our prices are \$3.00 per 100 for Scott and Albertini; \$2.50 for Daybreak, and \$2.00 for McGowan. For quantities above 500, write us. Terms cash.

ALEX. McBRIDE,

ALPLAUS, N. Y.

Carnations
to Edward Wayne
Wm. Scott
Kennett Squ.

NEW.

OPHELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$80.00 per 1000.

STANDARD.

Sweetbrier.....	100.	1000
Helen Keller.....	\$5.00	\$40.00
Uncle John.....	"	"
Stuart.....	"	"
Buttercup.....	4.00	35.00
Scott.....	5.00	25.00
Daybreak.....	2.50	20.00
Cartledge.....	2.00	15.00
Portia.....	1.50	12.50
McGowan.....	"	"
Fisher (from soil for Summer).....	"	"

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

LAST CALL FOR ADVS. FOR OUR SPECIAL SPRING NUMBER.

NEW AND TESTED

CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD, ELLIS, NORFOLK Co., MASS.

Always mention the American Florist when writing to advertisers.

PRICE LIST ROOTED CUTTINGS CARNATIONS, ETC.

NEW SEEDLINGS 1895. Doz. 100. 1000.

Eldorado, yellow, edged pink, stock 100	\$2.00	
Kitty Clover, a fragrant yellow var.	1.50	8.00 75.00
Eudale, yellow and pink var.	1.50	8.00 75.00
Princess Bonnle, pink var.	1.50	8.00 75.00
Dr. Warder, crimson	1.50	8.00 75.00
Daisy Bell, var. similar to H. Keller.	1.50	8.00 75.00
Lawrence Thompson, pink	1.50	8.00 75.00
Ophella, pink	1.50	10.00 80.00

The above varieties are all bringing the top price in the Philadelphia market.

GENERAL COLLECTION.

Sweetbrier, pink.....	\$0.75	\$5.00	\$45.00
Helen Keller, variegated.....	.75	5.00	45.00
Purple Gem, magenta.....	.40	3.00	25.00
Wm. Scott, pink.....	.40	3.00	25.00
Mme. Diaz Albertini, pink.....	.40	3.00	25.00
Buttercup, yellow variegated.....	.75	4.00	30.00
Stanley, terra cotta variegated.....	.75	4.00	30.00
Daybreak, light pink.....	.40	2.50	20.00
Thos. Cartledge, dark pink.....	.35	2.00	15.00
Brutus, red.....	.35	2.00	15.00
Cesar, variegated, red and white.....	.35	2.00	15.00
Chester Pride, variegated.....	.35	2.00	15.00
J. R. Freeman, maroon.....	.35	2.00	15.00
Puritan, white.....	.35	2.00	15.00
Tidal Wave, dark pink.....	.35	2.00	15.00
L. L. Lamborn, white.....	.35	2.00	15.00
E. G. Hill, scarlet.....	.35	2.00	15.00
Wm. F. Dreer, dark pink.....	.25	1.50	12.50
Nellie Bly, variegated red and white.....	.25	1.50	12.50
Grace Wilder, pink.....	.25	1.50	12.50
Lizzie McGowan, white.....	.25	1.50	12.50
Portia, scarlet.....	.25	1.50	12.50
Mrs. Fisher, white.....	.25	1.50	12.50
Annie Pixley, pink.....	.40	3.00	25.00
Lola Haettel, white fringed.....	.35	2.00	15.00
Hawa'i, yellow variegated.....	.35	2.00	15.00
Angels, pink.....	.35	2.00	15.00

Marie Louise Violets.....	.20	1.00	8.00
Swanley White.....	.20	1.00	8.00
Lady Campbell.....	.35	2.00	15.00
Giant Double Alyssum.....	.20	1.00	8.00
Coleus, 12 new kinds by mail.....		2.00	
Set of 12.....		1.00	
General list Coleus, by mail.....		1.00	
By express.....			6.50
Red and yellow Verschaffeltii and other yellows.....			8.00
Stock plants general list.....		3.00	
Verschaffeltii and yellows.....		4.00	

W. R. SHELMIER, Avondale, Pa.

Millbrook Lea GREENHOUSES,

West Whiteland P. O.

Chester County, Pa.

SPRING TRADE 1895 PRICE LIST.

CARNATIONS, SWEET ALYSSUM, VIOLETS, FUCHSIAS, PETUNIAS, COLEUS. SWAINSONA.

J. L. MAULL, Proprietor, RICHARD JONES, Manager.

Whitford Station, P. R. R.

Send for Circular and price list.

THE NEW WHITE CARNATION MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

We offer them, 2 1/2-inch pots..... \$6.00 \$50.00
Lizzie McGowan, rooted cuttings..... 10.00
ROSES—Bridesmaids, 2 1/2-inch pots.... 3.00 25.00
Brides, 2 1/2-inch pots..... 3.00 25.00
Orders booked for Delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

CARNATIONS.

Healthy, well-rooted Cuttings now ready.

Helen Keller, from 2 1/2-in. pots.....	35.00	\$20.00
Scott, Albertini.....	2.50	15.00
Daybreak, Tidal Wave.....	2.00	15.00
McGowan, Portia, Wilder, S. Spray.....	1.50	10.00
Roses, in 2 1/2-inch pots, Brides, Bridesmaids.....		39.00

Cash with all orders.

A. T. JACKSON, Station X, Bowmanville, Chicago, Ill. Mention American Florist.

CHITTY'S NEW PRIZE CARNATIONS For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

NEW CARNATIONS.

BRIDESMAID, bright clear pink.	per 100	per 1000
METEOR, deep brilliant crim. scarlet	\$10.00	\$75.00
STORM KING, show white.	10.00	75.00

Ready April 1st, 1895.

UNCLE JOHN, pure white	5.00	40.00
THE STUART, scarlet	5.00	40.00
E. A. WOOD, variegated	5.00	40.00
GOLDFINCH, yellow-edged pink	5.00	40.00
WM. SCOTT, pink	3.00	25.00
DIAZ ALBERTINI, pink	3.00	25.00
DAYBREAK, pink	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100.

Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON,
La Fayette, Ind.
Mention American Florist.

THE COTTAGE GARDENS, Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

CARNATIONS—ROOTED CUTTINGS

\$9.00 to \$25.00 per 1000.

COLEUS—Rooted Cuttings, 75 varieties, my selections, in 40 or 50 varieties, \$4.50 per 1000 by express; 70c. per 100 by mail.

GIANT DOUBLE ALYSSUM, 70c. per 100; \$6.00 per 1000.

LADY CAMPBELL VIOLET, \$1.25 per 100; \$10.00 per 1000.

NO RUST. NO FUNGUS. NO MEALY BUG.

WM. H. SEARCH, Avondale, Chester Co., Pa.

Carnation Cuttings

DAYBREAK, TIDAL WAVE	Per 100	Per 1000
GRACE WILDEB, SILVER SPRAY	2.00	15.00
McGOWAN, HECTOR	1.50	12.00
SWEETBRIER	5.00	40.00

Carnations a specialty, grown cool, no disease, and only selected stock used.

BELL MILLER, Springfield, Ill.



Tuberous Begonias

GRIFFON'S STRAIN.

MEDAL AWARDED WORLD'S FAIR.

Let us figure on your needs in Tuberous Begonias (doubles especially), we can do so better than any firm in this country.

The bulbs are the finest we have ever grown.

OASIS NURSERY CO.,

THOS. GRIFFIN, Manager.

Westbury Station, Long Island, N. Y.

"THE CARNATIONS."

WM. SCOTT, Rooted Cuttings	Per 100	Per 1000	DAYBREAK, Rooted Cuttings	Per 100	Per 1000
LIZZIE MCGOWAN, Rooted Cuttings	\$3.00	\$25.00	ALBERTINI, Rooted Cuttings	\$2.50	\$20.00
TIDAL WAVE, Rooted Cuttings	2.50	20.00	BOUFON D'OR, Rooted Cuttings	3.00	25.00

Wm. Scott and Lizzie McGowan now ready, in any quantity, from "choicest stock."

Cash with all orders.

DAILLEDOUZE BROS., FLATBUSH, BROOKLYN, N. Y.

THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free	\$12.00	\$100.00
ROSE QUEEN—New, fine commercial pink	12.00	100.00
CORSAIR—The scarlet McGowan	10.00	75.00
ALASKA—New, white, large, productive	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet	10.00	80.00
WM. SCOTT—Clear pink, very free	3.00	25.00
GOLDFINCH—The best yellow	5.00	40.00
DAYBREAK—Light pink, fine	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATIONS

Healthy well rooted cuttings now ready.

Wm. Scott and Mme Diaz Albertini	\$2.50	\$20.00
Daybreak and Tidal Wave	2.00	15.00
Lizzie McGowan, Wilder and Portia	1.50	10.00
Buttercup	3.50	30.00

Cash with order. 10c. per 100 extra when shipped by mail.

PERNS—Choice varieties, from 2-in. pots \$3.00 per 100

PETUNIAS—Double Fringed, choice varieties, from 2½-inch pots..... 3.00 per 100

GERANIUMS—Fine Double and Single varieties, from 2½ inch pots..... 3.50 per 100

Cash with order. Price list on application.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.

Good, healthy stock, well rooted, ready by January 1st, 1895.

Rooted Cuttings **GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC.** Write for price list.

E. J. CLOUD, Avondale, Chester Co., Pa.

CARNATIONS

HELEN KELLER, rooted cuttings	Per 100	Per 1000
	\$4.00	\$35.00
Out of 2½-inch pots	7.00	

Rooted cuttings of the following varieties 2.50 20.00

Daybreak, Silver Spray, Edna Craig, Lizzie McGowan, Tidal Wave and Portia.

Also a full line of Florists Seed, all imported, at low prices. Terms Cash with order.

E. HIPPARD, Youngstown, O.

Garnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.

Mention American Florist.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and *exclusively* for cuttings and plants.

Inspection and correspondence solicited.

Descriptive price list on application.

C. J. PENNOCK,
The Pines. KENNETT SQUARE, Chester Co., PA.

CARNATIONS.

NOW READY.

Helen Keller, Ada Byron	Sand	2½inch Pots.
	\$4.50	\$6.00
Adelaide Kresken, Jacqueminot	4.50	6.00
Buttercup, Daybreak	2.00	4.00
McGowan, Portia, Wilder	1.50	2.50

ROSES. READY FEB. 15.

Bride, Meteor..... 3.00

Bridesmaid, Perle..... 3.00

Healthy stock. Special 1000 rates.

Ferns on application—Bats, 2-inch pots, etc.

GENISTAS, 2-inch pots..... \$6.00 per 100

LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES,

GLENSIDE, PENNA.

Mention American Florist.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no Rust. Also rooted runners Lady Campbell Violets.

Send for Price List.

WM. SWAYNE,

P. O. Box 226. KENNETT SQUARE, PA.

NEW CARNATION. PEACHBLOW.

Dark blush pink. Rooted Cuttings, \$8.00 per 100; \$65.00 per 1000. Good stock. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now:

5,000 BUTTERCUP	per 100	per 1000
	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN	1.50	12.00
10,000 TIDAL WAVE	1.50	12.00
15,000 DAYBREAK	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY	1.25	10.00
15,000 AURORA	1.50	12.00

50,000 well rooted runners of LADY CAMPBELL Violets

1.25 10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

Cleveland.

Considering the season business has been good since the beginning of Lent. Flowers are retailing as follows: Day-break, Scott and fancy carnations 50 cents per dozen, assorted colors 40 cents per dozen. Brides and Bridesmaids \$2, choice selected stock \$2.50 per dozen, Jacques \$2 and \$3, Brunners and Beauties \$4 and \$5 per dozen. There are some very fine cattleyas coming in now that being from \$6 to \$9 per dozen. Orchids are coming into more general use for funerals, and when well arranged with a few other choice flowers, say valley and mignonette, there is nothing more desirable. At a funeral recently where there was a lavish display of all the choicer kinds of flowers the handsomest piece there was a wreath of cattleyas, and the cost was very low considering the size of the piece, being only \$25.

C. M. Wagner, who has had charge of the Wamelink Bros. store ever since the above firm has been in business, has started in business for himself, and is cosily located on Erie street. On his opening day he was rushed with business, having several funeral orders and a decoration to attend to. There are now four florist's stores on Erie street practically next door to each other.

J. C. Gooding was in town recently buying up roses and carnations to help him out in a large order. He reports the outlook for trade good in Elyria and expects business to boom in the near future with the building up of Lorain, from which town they are but a few miles distant and connected by electric road.

Mr. and Mrs. A. Schmitt of Glenville celebrated the twenty-fifth anniversary of their wedding on March 1. A goodly number of friends called to pay their respects and a pleasant evening was spent.
L. F. D.

LAST CALL
FOR ADVS.
IN OUR

SPECIAL
SPRING
NUMBER

TO BE
ISSUED
NEXT WEEK.

Advs. must be received by
March 20 to be in time.

Rooted Cuttings
In assorted colors only.

VERBENAS, finest bright colors, mammoth, vigorous strong, 70c. per 100; \$6.00 per 1000.
GERANIUMS, special, best double and single; all labelled, \$1.25 per 100, \$12.00 per 1000.
COLIERS, 24 distinct, finest, plenty yellow, 70c. per 100, \$6.00 per 1000.
SEEDLING VERBENAS, Select mammoth, transplanted, fine plants 60c. per 100, \$5.00 per 1000.
PLANTS, Heliotropes and Scarlet Sage new compacta, \$1.75 per 100.
CANNAs Mme. Crozy, 75c. per dozen.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.
Mention American Florist.

NEW CHRYSANTHEMUMS.

Fewkes, Challenge, Dalledonze, Inter Ocean, Mrs. He. Mrs. Hill, Mrs. Lippincott, Dean, Mutual Friend, Bannison, Yellow Queen, Davis, Pitcher & Manda, Gray, Beau Ideal, Bramhall, and others. Sold in sets of 12 plants each under the head of "Specialties" and "Novelties." Older varieties "Selects of 1893," 16 plants, and the "Old Guard set" of prize winners, 18 plants each. Price, \$1.00 for each set plants by mail, postage paid by me. Send for catalogue.

MEREDITH B. LITTLE, GLENS FALLS, N. Y.
Mention American Florist.

ORCHIDS.

It is a significant fact that European firms are ordering large quantities of Orchids from us on account of the high quality of the stock which we furnish, and our prices the lowest known. While the stock lasts we shall be pleased to supply American customers at the same rates as we charge for export. At the prices offered these plants will double in value within a year. Many of our Orchids are of an exceptionally fine strain, and in the best possible condition. We offer, among others, several hundred varieties of rare hybrids.

It is a well-known fact that Orchids thrive the best in this country, and many of our plants are showing stronger growths than originally produced in their native habitat at the time we collected them. The stock we offer is one of the largest and most complete in commerce.

Please write us for offers.

PITCHER & MANDA,

(INCORPORATED)

Short Hills, N. J.



One of a Thousand

This flower looks attractive—multiply it by 1000 and you will have a good idea of a bush of

**ANDORRA'S
LATEST INTRODUCTION**

Hypericum Moserianum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. **Fine, Strong Plants, \$7.50 per Hundred.**

Hardy Trees, Shrubs, Plants, Roses, and Fruit. (Rhododendrons a Specialty.)

**Andorra Nurseries, Wm. Warner Harper, Mgr.
Chestnut Hill, Philadelphia, Pa.**

Mention American Florist.

DAHLIAS, An immense stock of the best sorts of the various classes. Prices low.
CANNAS in quantity.

ASPARAGUS ROOTS, Barr's Mammoth, Cenever's Colossal and Palmette; special prices on large lots.

HONEYSUCKLES, Fine for potting for spring sales.

AMPELOPSIS VEITCHII from 3-inch pots, \$50.00 per 1000.

CLEMATIS PANICULATA from 3-in. pots, \$50.00 per 1000.

TREES, Deciduous, Evergreen, Fruit and Ornamental. Also Flowering Shrubs and Vines in variety. Send for Trade List.

THE WM. H. MOON CO., Morrisville, Pa.
Mention American Florist.

PALMS.

150,000 of all the leading varieties.

FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**
1708 N. Halsted St., CHICAGO

Rooted Cuttings.

Carnations, Mums, Lobelia, Alyssum, foliage Geraniums, Heliotrope, Cala. Pink, Tradescantia, Mam. Verbena, etc.

15c. per doz.; \$1.00 per 100.

DENVER CITY NURSERIES,
F. A. Haenselmann, Prop. Box 201, S. DENVER, COL.

20,000 Strong Transplanted Verbenas

Every one will grow; 300 scarlets, 150 whites, 200 pinks, 50 blue, 100 purples, 100 reds, 100 stripes to the 1000, all for \$6.00. Rooted cuttings \$5.00 per 1000; potted plants \$2.00 per 100.

Pansies in Bud from Cold Frames

\$2.00 per 100, \$15.00 per 1000, fine colors. Safe arrival guaranteed. Order from this ad., as it will not appear again.

W. B. WOODRUFF, Florist,
WESTFIELD, N. J.

Amaryllis Atamasco,

Large bulbs per 1000 \$6.00
Delivery early in April.

Canna Flaccida,

Florida's native Canna, rich golden yellow, very strong roots per 100 \$2.00
Started plants " 3.00
Cash with order.

THOMAS C. WAUCH, San Antonio, Fla.
Mention American Florist

Our 1895 Palm Collections are better than ever, and consist of 17 3 to 4 in. for \$3, or 31 for \$5; 10 4 and 5 inch Palms for \$3.50, or 20 for \$6; 6 6-in. Palms for \$1, all the best varieties.

Our Assorted Plant Collections for florists are selected from the best stock and are bargains. Send for 1895 Illustrated List showing quantities and prices.

WILLIAMS & SONS CO., Batavia, Ill.

E. G. HILL & CO., Richmond, Indiana,

Offer to the trade the finest stocks of Chrysanthemums, both old and new, ever presented. Our plants have never had a touch of the dread disease which has worked such havoc in many places. We send out healthy stock, propagated from outdoor grown stools which will produce just such blooms as we exhibited last autumn.

EARLY FLOWERING SORTS.—Mme. Bergmann, Yellow Queen, Mrs. E. G. Hill, and Mrs. Whildiu, all at \$4.00 per 100, or 500 for \$15.00.

COMMERCIAL CUT FLOWER VARIETIES. Per 100.—Dailedouze, \$4.00; Bonnaffon, \$5.00; Judge Benedict, \$4.00; C. Chalfant, \$4.00; G. W. Childs, \$5.00; Inter Ocean, \$5.00; Ivory, \$4.00; Jessica, \$3.00; L'Enfant, \$4.00; Malmaison, \$6.00; Minerva, \$5.00; Mutual Friend, \$4.00; Niveus, \$4.00; Queen, \$3.00. An immense stock of the above. Varieties like Amour, Judge Benedict, Minerva, Charlotte, etc., are suited for single stem plants. We will be glad to make selections for this purpose at very lowest living rates. Will also gladly make selections for large pot specimens.

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CALVAT'S celebrated Novelties have won first honors at all the English shows; we can send you his set of 33 varieties for \$7.00.

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AMERICAN NOVELTIES OF 1895.—We would like to select and send you the best 12 for \$5.00, to include Philadelphia and 11 others from our own, May's, Spaulding's, P. & M's, Smith's, Dorner's.

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Send for our Trade List if you have not yet received it. We have a very fine line of Novelties all the way through. The new **GERANIUMS** are magnificent; Mme. J. Chretien, Deuil de Miribel, and Juliet will delight you. The new English and French are fine improvements—19 varieties for \$6.00, 12 of them fine double sorts. 12 grand new Ivy Geraniums for \$3.00.

Two fine new Acalyphas. Two grand Abutilons, S. de Bonne and Fleur de Neige. An elegant line of best Cannas. The new **Dracæna Sanderiana**, **Helianthus**, Soleil d'Or. **Hydrangea Otaksa Monstrosa**.

A very fine collection of strong sturdy growing Double Petunias, large, finely fringed, at \$3.50 per 100. We have a very large stock of them.

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We have made our prices to suit the times. Did you get our list? If not, we will be glad to send it.

E. G. HILL & CO., Richmond, Indiana.

A New Canna! "THE PROFESSOR."

We take pleasure in offering this Canna to the Trade, and feel sure that it will please all who purchase it. It originated with me, has been tested on my grounds for the past three years, and has been very highly spoken of by all who have seen it.

The foliage is a very dark purple, nearly black, and colors up well in the full sun. The flowers are of fair size and substance, and of a deep crimson color; they are by far the best we have seen in the dark foliage section of this popular plant.

Its habit of growth is dwarf, and its average height is about 3 1/2 to 4 feet.

We consider this Canna a valuable acquisition and hereby offer it for the first time.

Price for started plants from pots (ready after March 15, 1895), 75c. each; \$7.00 per doz.

N. B.—All orders will be filled strictly in rotation.

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March 5th, April 2nd and April 30th tickets will be sold via Chicago & Eastern Illinois Railroad to various points in Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Virginia, and to points in Florida west of River Junction, at one fare for the round trip. For tickets and information apply to your nearest agent, City Ticket Office C. & E. I. R. R., 230 Clark St., Chicago, and C. W. Humphrey, Nor. Pass. Agent C. & E. I. R. R., St. Paul, Minn.



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Water Lilies in all Colors.

Hardy Ornamental Grasses, etc., and everything pertaining to the water garden.

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NEW	MIGNONETTE	NEW	MYOSOTIS	NEW
	Miss Helen M. Gould.		Star of America.	
Per Packet 50 cents.				
NEW	Complete description in our Florists Price List.			NEW
	CHAS. SCHWAKE, 404 E. 34TH STREET, NEW YORK.			

DON'T FORGET

That we are the headquarters for Coleus, and the originators of the Golden Queen Coleus, the only all round good yellow coleus.

Golden Queen & C. Verschaffeltii, rooted cuttings.....	75	\$ 6.00
Coleus in variety.....	60	5.00
Geranium Mme. Sallerol.....	1.25	10.00
Geranium, Rose.....	1.75	
Feverfew.....	1.25	10.00
Ageratum, blue and white Tom Thumb.....	.75	
Salvias.....	1.00	
Heliotrope, four varieties.....	1.00	
Petunias, Dreer's strain.....	1.50	
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Cash must accompany all orders.

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ROOTED CUTTINGS. Good Ones.

Verbenas, 23 varieties.....	80c. per 100; \$7.00 per 1000
Heliotropes, Fuchsias and Mums.....	per doz. 20c
New Giant Alyssum and Lopezia.....	" 20c
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Salvias and Marguerite.....	" 20c
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Coleus.....	per 100 75c " 12c

Postage 1c. doz. Cash with order. Send for catalogue.

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HYDRANGEAS, GENISTA CANARIENSIS and AZALEAS for Easter blooming. Prices on application.

WRITE FOR OUR CATALOGUE.

VICK & HILL, Rochester, N. Y.

Mention American Florist.

Last Call for advs. in our Special Spring Number to be issued next week. Advs. must be received by March 20 to be in time.

St. Paul, Minn.

Trade showed a marked improvement the last week preceding Lent. Since the beginning of the Lenten season it is more quiet, but is by no means discouraging. While there has been a decreased sale of cut flowers, plant sales have increased, owing to the milder weather. The outlook is very encouraging. Prices have weakened a little, though the best flowers are retailing at the old prices. Roses range in price from \$1 to \$1.50 per dozen; carnations from 40 to 75 cents, Romans, paper white, valley, daffodils and tulips 75 to \$1. Violets are retailing at 50 cents per bunch, and the demand for them is increasing daily. This seems strange when from all over the country the cry is raised that artificial violets are injuring the florist's business.

In potted plants, hyacinths and cinerarias are the best sellers. Azaleas by the way are not selling as well this year, owing no doubt to the many inferior plants being offered. Many will have to be carried over till another season, owing to the buds damping off and blasting.

The florist's club met March 6, at Washington Hall, Minneapolis. The attendance was the largest of the year. Mr. Gray of Minneapolis read a paper on Polygonum sachalinense, giving his experience with plants of the same. He exhibited two plants of the same showing entirely different form, habit of growth, etc., one of which he pronounced the common dock. Several present, however declared it to be a true polygonum. The chrysanthemum committee were instructed to prepare a premium list for the proposed exhibition, to be presented at the next meeting of the club. After adjournment the society was entertained by a musical program, followed by refreshments and dancing.

FELIX.

DR. EMIL HOLUB, of Vienna, the distinguished African explorer, has been lecturing in New York and expects to stay in America about three months longer, visiting a number of the larger cities. Dr. Holub is a most genial and companionable gentleman, and relates his strange experiences in a manner which fascinates and absorbs attention. He has made three exploring tours in southern Africa, on the last of which he was accompanied by his wife, and has collected much valuable information regarding the botany, mineralogy and natural history of that country. A considerable portion of the records of the last journey were unfortunately destroyed during a conflict with the natives. The large collection of specimens which he brought home from this trip number over 13,000, which took over four and one-half years to prepare and mount, and were valued at \$350,000. These he has distributed in part among the different European museums. The botanical collection includes seeds, bulbs, fruits, ferns, fungi, algæ and typical plants from the most important districts traversed.

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WHOLESALE
FLORISTS' SUPPLIES ONLY,
58 N. 4th Street,
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

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THE HORSE IS STOLEN
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LAST CALL

FOR ADVS.
FOR OUR

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NEXT WEEK.

Advs. must be received by us by
Wednesday, March 20,
to be in time.

AMERICAN FLORIST CO.,
P. O. Drawer 164. CHICAGO.

Neponset Flower Pots

of Waterproof Paper, are sold
as follows:

Terms—Net cash with order. If ordered shipped by freight, add 50 cents cartage.

Size	Packed in Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2 1/4 inch	1,000	about 20 lbs.	\$0 25	\$2 00
2 1/2 "	1,000	" 23 "	" 30	" 2 80
3 "	1,000	" 34 "	" 35	" 2 80
3 1/2 "	1,000	" 45 "	" 50	" 4 00
4 "	500	" 75 "	" 90	" 5 00
5 "	500	" 110 "	" 90	" 8 30
6 "	500	" 150 "	" 1 50	" 13 35

Standard Pot Measure. Less quantities than full crates at 100 rates.

F. W. BIRD & SONS, Manufacturers.
Address orders to our Agents.

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Sizes 1 1/4-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter. With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

Our letter is handled by all the wholesalers in Boston. AGENTS: A. Rolker & Sons, New York; M. Rice & Co., 25 N. 4th Street, Philadelphia, Pa.; F. E. McAllister, 22 Dey St., N. Y.; H. Bayersdorfer & Co., Philadelphia, Pa.; A. D. Perry & Co., 33 Warren St., Syracuse, N. Y.; A. C. Kendall, 115 Ontario St., Cleveland, O.; E. H. Hunt, 79 Lake St., Chicago; Wisconsin Flower Exchange, 131 Mason St., Milwaukee, Wis.; H. Sanderbruch, 4th and Walnut Sts., Cincinnati, O.; T. W. Wood & Sons, 6th and Marshall Sts., Richmond, Va.; Jas. Vlek's Sons, Rochester, N. Y.; Dan'l B. Long, Buffalo, N. Y.; C. A. Kuehn, St. Louis, Mo.; Huntington Seed Co., Indianapolis, Ind.; Z. De Forest Ely & Co., 1024 Market St., Philadelphia, Pa.; Portland Seed Co., 171 2nd St., Portland, Oregon; A. Herrman, 415 E. 34th St., New York; Geo. A. Sutherland, 67 Bromfield St., Boston; Welch Bros., No. 1A Beacon St., Boston; N. F. McCarthy & Co., 1 Music Hall Place, Boston; The Henry Phillips Seed and Implement Co., Toledo, O.; Bert Cokely & Co., 234 Church St., Philadelphia, Pa.; Walter A. Potter & Co., Providence, R. I.; L. J. Kreshover, 193 Greenwich St., New York; J. C. Vaughan, 26 Barclay St., New York. J. A. Simmers, Toronto, Ont., Agent for Canada.

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Used in immense quantities by leading growers. 1000 3 inch pots weigh only 34 lbs

HANDSOME. LIGHT. VERY CHEAP.

2 1/4-inch, per 1000,	\$2 00;	per 100,	\$.25
2 1/2 "	" 2 30;	" "	" .30
3 "	" 2 80;	" "	" .35
3 1/2 "	" 4 00;	" "	" .50
4 "	" 5 00;	" "	" .60
5 "	" 8 30;	" "	" .90
6 "	" 13 35;	" "	" 1 50

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FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

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THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assoc., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

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Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

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1/4, 5-16, 3/8, 1/2, 5/8, 3/4, and 7/8-inch square cut to lengths wanted.

When asking prices state sizes of boxes or stakes and quantity wanted.

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SILVER MEDAL AWARDED

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This preparation is a sure destroyer of the **Scale, Woolly Aphis** and **Insect Pests** of any and all descriptions. It may be as freely used in the conservatory, garden and greenhouse as in the orchard or vineyard. It is non-poisonous and harmless to vegetation when diluted and used according to directions. It mixes instantly with cold water in any proportion. It is **Safe, Sure** and **Cheap**. No fruit grower or florist should be without it.

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Sheep Manure.

PULVERIZED.

100 lbs. \$1.50; 1000 lbs. \$13.00; ton \$25.00.

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What Growers Say! A Different Letter Every Week

RIDGEWOOD, N. J., Feb. 1, 1895.
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Yours truly,
A. V. D. SNYDER.

Green-House Material.

The finest **CLEAR CYPRESS** used.

For circulars and estimates ADDRESS

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ESTABLISHED 1866.
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Detroit Flower Pot Manufactory

STANDARD POTS.
Fern or Bulb Pans.

STOCK UP TO DATE.

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California Red Cedar NEVER DECAYS.

A. DIETSCH & CO., 619 Sheffield Avenue,
Mfr's of Red Cedar and Cypress Greenhouse Material,
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SHIPPING BOXES

FOR CUT FLOWERS.

Have you ordered some of these yet? The best and cheapest box on the market. Also the lightest and strongest—weighs about 4, strong as 40 pounds. "Saves its cost in a week on reduced express rates; we call it 'The Perfection,' and that's what it is." Prices wonderfully low. Send for circular at once. G. C. WATSON, Philadelphia, Seeds, Bulbs and Plants (Wholesale only) 1025 ARCH ST.

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BEST SUBSTITUTE FOR GLASS on Hot-beds, Cold Frames, etc. Three grades.
Light, Medium, Heavy.



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NATURAL GAS MADE GLASS,
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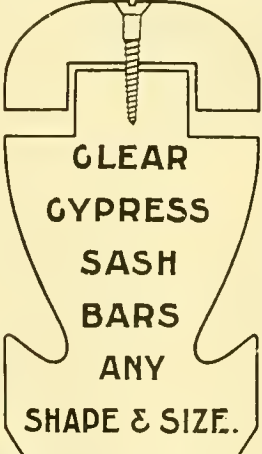
Trade has improved since the opening of Lent, the first week of which was rather slow; stock has been used up clean right along, there being very little waste. Just at present violets are suffering from the heavy southern shipments; they are as popular as ever, but too many are received for the market to carry. Jonquils have commenced to appear from the south, the single varieties, and will go well until, like violets, they are overdone. Home grown Harrisii are in plentiful supply, and move rather slow. All other stock is short, roses especially.

Four hundred cyclamen flowers were secured one day last week from California by a commission house; they arrived in good condition, considering the length of time they must have been on the road. Earlier in the season they would have sold well, but from now on, except probably at Easter, they would go rather slow, and the chances are the express charges would amount to more than they would sell for.

The spring plant trade has opened, several firms having taken possession of the usual stalls in Union Market, and show the general run of flowering plants. Trade with them has been somewhat slow, not coming up to expectations. Outside work is improving, considerable of it being done; it promises to be unusually active in the "West end," where considerable building has recently been completed. The tree agent is aware of the fact, and is abroad in the land. Several of them hailing from Rochester have been actively canvassing the best class of residence property, and selling the following roses, Empire State, Dolly Madison, Marmontel, LaFayette, New York Beauty and De Ferriol, at the wonderfully cheap price of \$10 per dozen. Unheard of trees and shrubs unknown to the trade are sold at corresponding prices. The circular used promises anything, simply plant the bushes and the roses will appear. A foot note informs readers that wherever the above roses have been exhibited they won the highest honors. Which can be literally true. R. F. T.

YANKTON, S. D.—Fire destroyed the warehouse of C. W. Gurney & Son, nurserymen. Loss \$5,000; insurance \$1,000.

Greenhouse



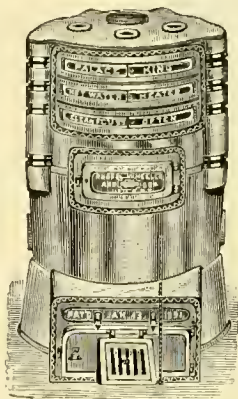
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SASH
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SHAPE & SIZE.**

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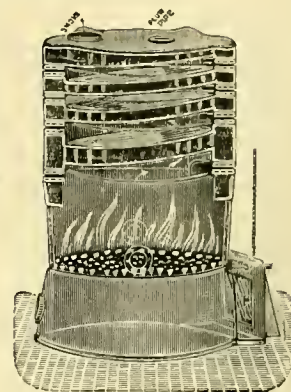
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ESPECIALLY DESIGNED FOR GREENHOUSE HEATING.



WRITE US.

**Russel Wheeler
and Son,
Utica, N. Y.**



FLOWER POTS

The Whilldin Pottery Company,

713, 715, 717 & 719 Wharton St., Philadelphia, Pa.

BRANCH WAREHOUSES:

Randolph Ave. and Union St., Jersey City, N. J.
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STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Doppfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all. Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO. OFFICE:
403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS.

We will furnish you with prices on application, and will fill all orders promptly. Our Pots are excelled by none in the market.

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OUR POTS ARE OF THE BEST QUALITY.
We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.
Write us before placing your orders elsewhere.

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Old Reliable make of ELVERSON, SHERWOOD & BARKER.

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For Your GREEN HOUSE, ROSE HOUSE, NURSERY,

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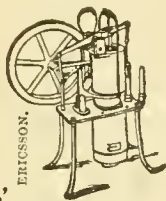
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Their operation is so simple and safe that a child can run them. They will pump water from shallow streams or any kind of well. They can be arranged for any kind of fuel. Capacity 1,500 to 30,000 gallons of water a day, according to size.

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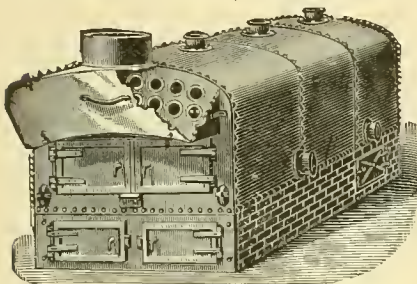


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Iron Reservoir
VASES,
Lawn Settees
—AND—
CHAIRS

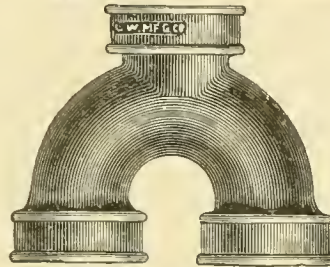
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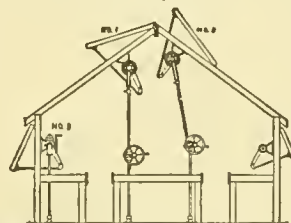
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WATERTOWN, S. D.—Max and Otto Duffner have started in the florist business here.

ELGIN, ILL.—Otto Bach, foreman for Geo. S. Rust, was unfortunate enough to break his arm last week.

SPRINGFIELD, MASS.—William Hamilton Gibson, the New York artist, gave a delightful lecture on "The mysteries of the flowers" the evening of March 7.



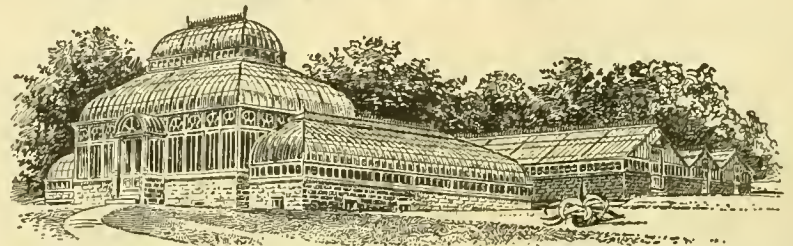
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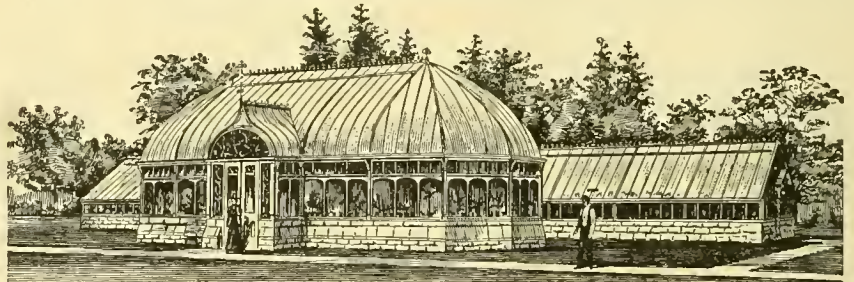
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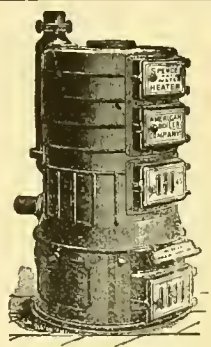
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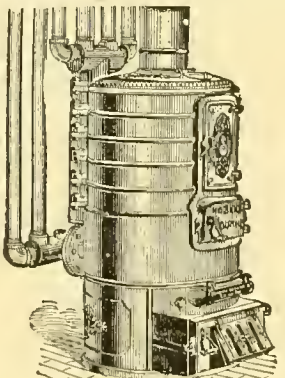
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THE AMERICAN FLORIST



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Vol. X.

CHICAGO AND NEW YORK, MARCH 23, 1895.

No. 355

Our Title Page.

For the illustration on our title page we are indebted to the courtesy of Messrs. E. Wienhoeber & Co., who at our suggestion kindly furnished us with this superb arrangement of spring flowers, Mr. Gormley, chief decorator for this firm, being the artist.

A mirror about 3 feet wide by 5 feet high forms the background, in front of which stands a small counter 2x6. Over the edge of the counter droop ivy vines in pots; the ledge of the counter is arranged with small blooming plants such as primulas, cyclamens, cinerarias and hyacinths; these are interspersed with clumps of valley and violets in low dishes, a few small cocos and adiantums being added for green. On the left hand side rises a garland of *Harrisii* to the top of the mirror. The flowers are all placed in vases of various heights. At the base white and lavender hyacinths are interspersed with fine color effect. The opposite corner rises to a height half way up to the top of the mirror, with a plant of *nephrolepis* for the apex, back of which a vine of *Ficus repens* trails up to the top. This corner group is composed of a combination of such flowers as pink tulips, freesias, marguerites, daffodils, etc., set in vases, with the addition of a few blooming plants of Dutch hyacinths, cyclamens and cinerarias. The color effect of this arrangement as a whole was very fine. Unfortunately it is impossible to illustrate this. In order to get as perfect a picture of this arrangement as possible the surface of the mirror was soaped sufficiently to avoid the reflection in the glass. Of course the effect of the arrangement was far better with the glass clear.

Similar arrangements of flowers in season are always a feature at this establishment and prove a great attraction at all times to their patrons and would be well worthy of imitation by others in the trade. It is not necessary of course to make this decoration quite so elaborate, but it would at all times give new ideas and stimulate the taste of flower buyers, besides being a splendid advertisement, illustrating your ability as a decorator as well as showing off each individual flower or plant to the best advantage.

Arrangement of Flowers.

XIX

SPRING FLOWERS.

We present in this issue a number of illustrations showing the arrangement of various types of spring flowers of such varieties as may be found on the markets as this season of the year. When we use the term spring flowers of course we mean those varieties whose natural blooming season is in the spring, such as tulips, daffodils, valley, violets, lilac, etc., although any of these are of course to be



ILLUSTRATION NO 1
ARRANGEMENT OF FLOWERS.

had in bloom in midwinter, and some, like valley, every month of the year. Jacqueminot roses may not be properly termed a spring flower, still we are apt to associate them with such, as they generally make their appearance at this season and therefore enter to quite an extent into arrangements of such a nature. Although the Jacq. is not grown as extensively nowadays as was the case formerly it is still a prime favorite with many flower buyers, who value it for its delicious fragrance which is lacking in most of the other reds. Strange as it may seem the Jacq. is sought for in limited quantities only, when it appears in the market in midwinter. As spring advances the demand increases. Of course this may be accounted for by the high prices that are naturally current in midwinter which puts them beyond the reach of many. Still if offered at a moderate figure the sale is but slow.

Our first illustration shows a square high handle basket filled with a combination of Jacqs. and white lilac. The rich velvety crimson of the roses with the airy sprays of the white lilac form a lovely contrast. The roses, which form the main part of the basket, are of medium length of stem, say 9 to 10 inches. These are wired to match sticks in the usual way, and arranged loosely with their own foliage only, a little fern being used for edging. If expense is not to be considered A. Farleyense would be still better. The lilac is cut with long stems, and these being hard and firm are pushed right into the sphagnum, the longer sprays reaching up to the top of the handle and being fastened thereto by means of a cream white satin ribbon. Another very fine combination might be made of porcelain blue Dutch hyacinths and forced purple lilac, which latter, as we all know, when forced hard comes a

pale lilac shade. Arrange these in a similar style basket and tie with a ribbon to match and the effect is charming.

The cost of the first basket might be figured as follows, the price of course varying with the season: Say 75 Jacqs. at \$8, \$6; 2 bunches lilac, \$2; 1½ yards of ribbon, 50 cents; basket, \$1.50; total \$10. Using Farleyense fern for edging would add \$1 to \$2 more to the expense. The cost of the hyacinth arrangement would stand something like this: Four dozen Dutch hyacinths at \$1, \$4; lilac, \$2; ribbon, 50 cents; basket, \$1.50; green for edging, moss, etc., 50 cents; total \$6.50. In arranging this basket it must be borne in mind that the hyacinths must be cut with all their foliage surrounding the flower stem intact; as the flowers are heavy it is necessary to wire them firmly to stout match sticks, or what is better still, we can use skewers such as butchers use for roasts. These are made of hard wood and are not liable to break. The sphagnum should also be packed in quite hard so as to give a firm hold to the sticks, as the weight of the flower is otherwise liable to disarrange them. If additional green is used for the edging this should be of the coarser kinds of fern, as the finer forms of adiantum don't combine well with the Dutch hyacinths.

Illustration No. 2 is a typical arrangement of spring flowers. The style of the basket is similar to that of the former excepting the shape of the handle. This basket is filled with single daffodils (Trumpet Major) arranged with plenty of their own foliage, a spray of *Acacia pubescens* being tied to the handle with a satin ribbon of a shade to match the flowers. The acacia is one of the daintiest and prettiest little flowers that grows; its graceful drooping sprays are always welcome to the skillful decorator, who by its means, with a few finishing touches will add character to an arrangement. Unfortunately this flower is not grown to any extent except perhaps in the eastern flower centers. If the acacia can not be had *genista* might be used as a substitute although the latter is not nearly so effective.

A moderate estimate of cost would give us the following figures: 150 daffodils at 3, \$4.50; acacia, 75 cents; ribbon, 50 cents; basket, \$1.50; moss and wood fern to cover the same, 25 cents; total, \$7.00.

Our third illustration shows an arrangement of pansies in a metal basket (imitation silver) with rather a low handle. If the pansies are desired to show up well and to keep in an erect position it will be found necessary to wire at least part of the flowers, that is to say run a No. 34 or 36 wire carefully around the stem and then wire 3 or 4 blooms to the pick. At this season of the year when pansies are not as plenty as is the case later in the spring it is often impossible to obtain enough flowers of a certain color to form a combination by blending one shade into another commencing with pure white running through all the varied shades to the black. Such an arrangement is very effective but cannot be portrayed by means of a photograph. Pansies, however, show up very well when mixed indiscriminately as the various hues of the flowers blend naturally. The basket we illustrate is of the latter style, that is mixed shades except the spray on the handle, which runs from white at the top through the shades of yellow into the darker forms at the base. The flowers are draped over the rim of the basket quite low only on two sides of the basket, the back not being visible; it is slightly different from the front. It is



ILLUSTRATION NO. 2.
ARRANGEMENT OF FLOWERS.

desirable in a basket of this kind not to hide the shape by too heavy a fringe of green; a few fronds of adiantum set lightly around the edge are all right, although if the natural foliage can be obtained this is still more desirable.

The expense of this arrangement is very moderate as to cost of material; the expense will depend largely on the value of the basket, which in this case is more than the flowers. Cost of basket, \$3.50; 250 pansies, at \$1, \$2.50; adiantum and moss, 25 cents; total \$6.25.

Illustration No. 4 is a small round plateau suitable for a small luncheon or dinner table. During the Lenten season many of these little dinners, teas or luncheons are given where a simple and unostentatious table decoration is desired. This arrangement consists of 3 dozen valley, forming a band of irregular outline across the center, with clumps of violets set between *Adiantum cuneatum*, which also forms the edging. Such a little center piece is an inexpensive affair and would come within the reach of many: Say 3 dozen valley, \$1.50; 200 violets, \$2; 50 adiantum, 50 cents, form and moss, 50 cents, total, \$5.50.

No. 5 is a simple arrangement of yellow tulips also in a flat plateau and suitable for the same purpose as No. 4. It is of a still less expensive nature and can easily be duplicated at a cost of about \$3. Say 50 tulips at 4, \$2; plateau, moss and a few wood ferns, not to exceed \$1. Tulips are best wired to match sticks or skewers, as a pick is insufficient to hold them in position.

The True Color of a Flower.

The question of the true color of a flower, must be continuously in the mind of the florist; the multitudinous shades and tints of one color are, to say the least, distracting; and when so many hues with their near and distant relatives are constantly before us, we are not a little disturbed and unsettled in the effort to locate one of the simple primaries. "A clear idea at least of the primary hues is what we want." That is the desire of a great many florists, and I can answer the request with only a few members of Flora's large family. The trouble is, flowers do not often present pure unmixed color; but they *do* present mixed color in such a pure way, that no paints can imitate the purity! When I say pure unmixed color, it must be understood that I refer to the primaries, red, yellow, green and blue. The flowers which nearly approach these hues are, red carnations (the *Portia* will do, or any other variety like it but brighter), yellow evening primroses, or better, sweet sultans (*Centaurea moschata*, var. *suaveolens*), and blue gentians (*G. verna* and *G. alpina*, of the Alps and Pyrenees) and forget-me-nots, including the variety *Myosotis alpestris* of the Alps. There are excellent approaches to blue in our own gentians (*G. Andrewsii* and *G. crinita*), in the blue bachelor's buttons, and in chicory (*C. Itybus*); also, the beautiful *Delphinium peregrinum* of the Pyrenees approaches blue through violet. But these flowers are all violet-blue, and I am compelled to



ILLUSTRATION NO. 3.
ARRANGEMENT OF FLOWERS.

say that there is really no true blue flower. I must except the forget-me-not from any connection with violet, as that flower shows a fairly good blue (of a weak character) sometimes slightly tintured with green. But the color of the forget-me-not is entirely too pale to be called a true blue. There is an excellent pure red phlox (*Drummondii*) and balsam which seedsmen mistakenly call scarlet in their catalogues; but there is no scarlet blood in either family. Although the aster is supposed to present blue in various tones, as a matter of fact it does not approach the true color nearer than dilute violet. The so-called blue violet, but pale or medium (as the case may be) violet-color. If a specimen of the flower could be found which was true blue, it would create a sensation among the florists!

As true green is nearest like the paint called emerald-green, a metallic-looking color in common use by artists, it would be pretty hard work to match it in nature, at least in Flora's world. Neither leaves nor flowers ever present this color; it occurs in effects only, and thus in an impressionistic way.

The rose shows crimson, yellowish crimson-red, pale magenta-crimson, magenta-pink, and pure pink; it rarely shows a pure red, and never scarlet; there is no scarlet blood in this family. The canary-bird flower (*Tropaeolum peregrinum*) is a good yellow, but this color is not presented by any nasturtium; the latter flower is rich in golden yellows, and the Pearl shows an extreme reduction of the gold tone with white. Compare a bit of sulphur with the Pearl, and the sulphur will show how different the Pearl would be if the nasturtiums had pure yellow blood in their veins, i. e., a very whitish sulphur-color. The chrysanthemums do not show pure red, blue, purple, or violet. They do occasionally show a true yellow. Even the pure red flower is rather rare in polychromatic flower families, and the tulip, hyacinth, centaurea, aster, sweet

pea, larkspur and pansy never present a flower of the true red; but strange to say, excepting the tulip, these are all particularly strong in violet-purple. One of the most remarkable instances of the varied presentation of red, is the carnation family; here we have the color in its purest and most brilliant tones. But of carnations I will have something to say later.

F. SCHUYLER MATHEWS.

Plants in the Store Trade.

In discussing plants for the retail trade, that is more particularly the store trade, we have a subject that has come to be of great importance to the florist. No store is complete without a stock of plants; in many cities the sale of them is of as much importance as cut flowers. When renting a store one of the great considerations is, the convenience of handling the plant department, and we have now reached that stage that to be in the front ranks one has to look out for a store so located that a small conservatory or show house can be built at the rear end of it. This, when practicable, is of great value to the florist, as it enables him not only to show his plants to better advantage, but allows him to give much better care in the way of light, heat, and water, and to a certain extent does away with the great trouble that store men have to contend with in keeping plants in good health, for there are some plants that it has seemed to be impossible to keep in good shape under ordinary store treatment. The strides that this branch of the business has made in the last few years we hardly realize. So rapid has this increase been that at the present time growers make it one of their specialties to grow houses of the different varieties, not only for the holiday trade but for every day trade.

When a large trade is carried on in this business it necessitates in an establishment at least one clerk who is also a good plant man, as the losses from plants go-

ing wrong is in many cases due to the unskillful handling of them in the store, and as we all know many plants that we handle are not at all times good house plants. This means that the purchaser will return to the store to know what is the trouble with the plant that she bought, it has lost its leaves or they are turning yellow, etc. The clerk who has some knowledge of the business combined with good tact can usually satisfy such visitors.

Holiday times of course are the great days for plant sales, and one of the most noticeable demands on these occasions in the last two years has been for palms of all sizes. At Christmas and Easter it seems as if one can hardly get enough of the salable sizes. Good kentias, latanias, araucarias, and rubbers seem to be the favorites, and at the prices that they can be bought at the present time a very handsome profit is realized, often putting the profit on cut flowers in the shade. Palms are also getting to be used more generally at small affairs, I do not mean weddings, receptions, etc., but when from 2 to 12 are used, and also at business openings, where palms are now used generally. This is where the conservatory comes in so useful, for it not only helps to rent the palms, but is so handy to fill small decorations from without having to go to the greenhouses, which may be at some distance away. This renting out part of the business is not looked upon by all florists as the most profitable business, because what with imperfect packing in winter, careless watering at the houses where they may be sent, and effects of gas and heat on them we are apt to say when we find occasionally a plant comes back ruined, "There is no money in it." But do not believe yourself when you say it, for in my opinion with good care, skillful packing, and above all judicious selection of hardy varieties for the purpose, it is one of the best paying transactions. Of course one should always get a fairly good price, and especially for flowering plants, and they generally suffer the most.

With regard to the sale of plants I would say avoid one thing, and that is do not introduce to the public plants that you know are not going to be a success as house plants, at least not without stating the same, for people easily get disheartened and they fight shy of buying other plants. Of course we want novelties, but unless they are good we are better without them, and the pleasure that a salesman has in selling what he knows as a rule will turn out good compensates for the tired feeling he may have at not being able to offer his customers a novelty.

I will now give a list of what I grow and handle at my own store, beginning at Christmas, palms, dracenas, rubbers, ferns, and other foliage plants as above mentioned. The poinsettia, this I find the ideal Christmas plant when well grown and can be sold to a large extent. The only drawbacks to it are the trouble of delivering and the short time before the green leaves are gone, but all this the regular buyer of poinsettia understands. Begonias are one of the most salable, only do not keep them too long in the store, as the flowers soon drop. Lilies, callas and Bermuda, are always useful for filling in a gap. Then the early white azalea *Deutsche Perle*, which can now be easily forced for that date, is very salable and brings very profitable prices. Good primroses and cyclamens always give satisfaction, and I consider the cyclamen one of the very best house plants, and should be

much more largely grown than it is. Lilacs in limited quantities. *Linum trigynum*, a plant introduced in this locality this year, is very taking when covered with its yellow flowers.

There is one form of growing bulbs that I will introduce here, as at Christmas it first puts in an appearance; it is pan culture of bulbous plants, etc. The shallow pans 6, 8, or 10 inch in diameter, planted with lily of the valley, Roman hyacinths, tulips, etc., make one of the best selling articles that we handle, when covered with colored paper tastefully put on they are very attractive, and whether as a present for table decorations or in the place of cut flowers give general satisfaction, and at this time can be sold in large quantities, especially of valley and Roman hyacinths, it being rather early for good tulips. Having passed Christmas and New Year's the general trade in plants is brisk, as everyone begins to think that spring is coming, and long for a reminder in the way of a plant. For the next three months, that is until Easter, pans of every variety of bulbs are in season. Tulips in their many colors, valley and miniature hyacinths, the latter one of the best for selling. At this season we get two of our best all around winter plants, first the Dutch hyacinth, which is always popular and when good sells in larger quantities than any other pot plant. I would say here that I think many of us make a great mistake in buying a good part of our stock of a cheap grade; by paying 2 or 3 cents more we can certainly command more at retail. The cost of raising is the same and the credit given us for having fine flowers enough to add another five cents. Buy the best bulbs.

The other plant is the azalea, which I consider the best of all plants that we sell; its variety in color, pretty shape, lasting qualities, as a house plant, combined with the good legitimate profit one is able to make on it, give both seller and buyer satisfaction. Only be sure and tell your customers to give them lots of water when in flower.

Another favorite plant in most parts of the country is the cineraria, and when good seed is bought and plants are well grown, and the same is delivered without any greenfly on it is fairly satisfactory.

Lilacs and lilies should be grown in judicious quantities, as they are always salable. All through the winter months a few orchid plants can be sold at a good profit, one of the most satisfactory being cypripediums. As Easter and spring approaches so do flowering plants become more plentiful, and also the demand for them. Of all Easter plants the lily is the one. The increase in the sales of this plant is marvellous; every year you will hear the grower say he is overstocked, but when Easter morn comes what maneuvering there is to fill the last orders. It almost seems wrong to bring lilies in before this time, for they seem especially Easter flowers. When they are grown well they are very profitable, such a contrast to some of the cut flowers at this season. A very suitable form of lilies is 4 or 5 longiflorums in a large pot, they sell at once. I think that the sale of lilies at Easter will increase year by year.

A pretty Easter plant is the cythus, which is very attractive although it is a sketch of imagination to call it a good house plant, as the pretty little leaves will fall. Azaleas that have been kept back for this season are more than brilliant and therefore very salable. Now comes the grand old summer plant hydrangea, with its large heads of flowers that seem good enough to eat. They sell on sight. Pans

of bulbous stuff are at their best, the double ones being now an attractive feature of our plant display. I must not forget that useful plant, the spiræa, cheap and profitable, satisfactory, only give lots of water.

We have now also to keep up the supply with the demand to bring in good specimens of summer plants in the shape of geraniums in full flower, heliotrope, etc., but only for these few days, as this class of plants does not like the confinement of our stores. Leaving Easter behind, spring and early summer is with us, and we have some plants that are very salable as an everyday article of commerce. First I will mention *Lilium lancifolium album*, roseum, and rubrum, also the grand old *L. auratum*, which bring good prices. Hybrid roses are now most attractive, and tempt buyers as only a rose can. Gloxinias, one of the very best summer indoor plants, when well grown make our windows look very gay when we have no showy cut flowers to do so. Two or three years ago tuberous rooted begonias had a run, but as a house plant it was a failure. Besides those above mentioned we have few plants for sale; fortunately all have a show in their gardens at this season.

Fall comes and with it the most attractive, gaudy, coarse and yet fascinating of all, the chrysanthemum. This is truly a salable plant as outside plants are dead or so shabby that they make everybody feel the want of something brighter, and all they can get is the chrysanthemums, so they sell well for medium well grown plants and they pay.

Now although I have not mentioned nearly all the plants exhibited in our store windows yet I have given the most profitable and satisfactory, and will close my remarks by saying that one of the most useful and free selling forms in which plants are grown all the year round are the pretty plated jardinières filled with ferns, small palms, etc., and my advice to a retailer is that, however small your business is always make some provision to handle a few plants, as to say the least they help to keep your customers and on dull days of Lent and early summer help to swell up the amount in the cash register.

WM. SCOTT.

Flowering and Foliage Plants for House Decoration in Philadelphia.

Ten years ago the trade in this class of plants was very limited; the demand was light and so also was the supply. It is not very long since azaleas in flower were a novelty at Christmas. Now the dealer can get his orders filled without trouble. While some varieties of plants do not sell as well as formerly it is because they are superseded by others rather than on account of any falling off in the demand.

The sale of all kinds of plants for house decoration has grown wonderfully; particularly is this the case with palms and ornamental foliage plants. Whole establishments are now given up to this class, and still the supply is not ahead of the demand, although there are ten palms grown and sold now to one ten years ago. There are also many more ferns used, and the growing of these beautiful and useful plants will soon be in the hands of specialists. Other attractive plants that sold well in this market the past winter, particularly for the holiday trade, were solanums or Jerusalem cherries and ardisias. These latter will pay any grower who can place well berried plants on the market at a reasonable figure. The ardisia will command a really profit-

able price if well grown, as its bright red berries make it essentially a Christmas plant.

Says Wm. K. Harris: "The taste seems to be changing, and is now more for foliage than for blooming plants, and as we try to keep the public supplied with what they like our stock is now principally made up of this class, although of course we grow largely of chrysanthemums in the fall, genistas, azaleas and lilies in the winter, and these latter together with hydrangeas, deutzias and spiræa for Easter. Years ago we sold a great many carnations in pots, and begonias of various kinds were also good sellers. Libonias we grew largely for some years, having the bulk of the stock about the holidays, when it could be cut or sold in pots. Chinese primroses were also a staple plant with us. We still grow a few stevia to follow chrysanthemums. We have grown a few dwarf lilacs in pots the past season and find a demand for them. Hyacinths in pots and other bulbous stock have not sold as readily the past few years and the demand for all kinds except lily of the valley seems to be falling off. Plants grown in from 6 to 8-inch pots we find to make the most salable stock; there is a demand for extra sized plants, but it is very limited." Speaking of profits he said that the very low price a plant grown in a 6 inch pot should net the grower is \$3 per dozen. "If it belongs to that class that requires plenty of room and special treatment to flower nicely it should bring \$4. Such plants as cyclamen, if well grown in sixes, should bring \$6 to \$9 per dozen. There are many things to be considered in growing pot plants for profit; the grower should select such kinds as there is a good or reasonable demand for, grow them with the idea of quality rather than quantity, exercise care in staking and put them on the market in the best salable condition. Then above all things have them on time. If for the Christmas trade, they have at that time a special value and will not bring nearly as much if not ready until the week after. The same applies to Easter stock, lilies for instance, so much in demand the week before, being almost worthless the week after this festival. Some will say, 'everybody knows this,' and so they may, but the fact remains that belated crops are to be seen every year in too many places after these holiday events which might have been placed on the market and sold had a little more care and forethought been given them. A clean pot is another feature of the up-to-date market plant, and one that has come to stay."

J. W. Colflesh says in answer to the question, "Which are the most salable pot plants?": "That all depends on the quantities of this or that variety in the market. The demand for this class of plants is not so great as it ought to be, and the market is soon overstocked. Well grown begonias, carnations and bouvardias sell fairly well during the winter months, and later on heliotrope, mignonette, geraniums and fuchsias. Bulbous stock, such as daffodils and hyacinths, sell well in pots provided the market is not too full. Azaleas help to make up an assortment, and shapely plants of fine colors are good sellers."

Mr. W. W. Mecky is a large grower of plants for market. For the winter months he finds well-flowered marguerites, cinerarias, begonias and poinsettias to be his best stock. For the Easter trade he grows largely of hydrangeas, azaleas and pot roses. His stock of roses is probably the largest in this city; he having over



ILLUSTRATION NO 4

ILLUSTRATION NO 5.
ARRANGEMENT OF FLOWERS.

25,000 plants in from 5 to 8-inch pots. His varieties are *Hermosa*, *Brunner*, *Jacqueminot* and *Magna Charta*. These are potted during November from the open field, being plants entirely of his own raising and all on their own roots. They are pruned at the time of potting and the refuse wood made into cuttings for next year's stock. In potting, the soil, of a good sod compost, is very firmly pressed about the roots, and a water space of one and one-half inches from the top of the pot is left; this space seems more than is the practice with most growers, but is here considered necessary.

The roses are set close together on tables in very light houses, and are without heat of any kind the entire winter, those for Easter sales being removed to a higher temperature. The rose cuttings are put in boxes of micaceous sand rather than in a bed, so that they can be moved about if necessary. Mr. Mecky confines himself to the hardy class of roses as he finds that teas do not do well with the same treatment. In raising cuttings of bedding out stock, of which he handles principally *lantanas*, *coleus*, *tuchsias* and *geraniums*, he uses large pot saucers filled with micaceous sand; these saucers when

full of rooted cuttings can be moved into a cool house if not convenient to pot them off when rooted.

Robert Craig has been a large grower of pot plants for house decoration, and finds the taste changing from blooming plants to those with ornamental foliage. The demand for *araucarias*, *crotons*, *rubbers* and the various popular kinds of palms is increasing, but the public at the same time are becoming more critical, and will be satisfied with nothing short of a perfect plant. He makes a specialty of *evclamens*, and while he had them fine this season he expects to have something very choice for next year. He says: "Crotons make desirable house plants and they must also be acknowledged as one of the coming bedding plants; they are rapidly growing in favor. They can be propagated very rapidly by taking the top of a thrifty young plant and putting into a 3-inch pot with light sandy soil; in bottom heat they will be rooted in about two weeks, and then grow rapidly and soon assume the shape of a *Harris rubber*, with broad leaves from the pot up, while the plants from which the cuttings were taken develop into fine specimens. Crotons like plenty of heat and moisture; the walks and floor of the house being damped down every night. Lilies and azaleas will continue to be the popular Easter flowers." Mr. Craig's stock of lilies is immense; three large houses 150 feet long being filled with plants of all sizes, from pots containing one plant to those with five and six. Two-thirds of the lot are *longiflorum*. In order to keep them short considerable clay was introduced into the soil, and the effect is easily seen in the short stocky growth. Many 9-inch pots with 5 to 6 bulbs are expected to carry from 35 to 50 flowers.

A new *hydrangea* is on trial, *H. Otaksa monstrosum*, said to produce a flower two feet in diameter, similar to *Otaksa* but much larger. It is a European novelty. *Astilbe compacta* is being forced exclusively, being much better than the old variety. *Swainsona* Mr. Craig regards as a coming florists' cut flower; to obtain the best results after cutting it should be soaked a day and night in water before being offered for sale. After this treatment it lasts much longer. Bulbous stock for sale at Easter should be planted in pans, a quantity together; in this way they are very effective and salable.

Some of Mr. Saunders' new *coleus* are very fine, and quite different from our old varieties. *Empress of India* and *Princess May* are both striking novelties and will be sure to attract attention.

Roses, particularly hybrids in pots, make fine Easter plants. *Brunners* on their own roots are considered better than bedded stock. *Clothilde Soupert* is considered a much better rose for Easter than *Mme. Plantier*, as it holds its blossoms much longer. The *Crozy* type of *cannas* are destined to play a most important part in lawn decoration in the future. The list of good new varieties is growing rapidly. A partial list of the best comprises *Eldorado*, *Columbia*, *Florence Vaughan*, *J. D. Cabos*, *Charles Henderson*, *Sophia Buchner*, *Mme. Crozy*, *Egandale*, *Chicago*, *Queen Charlotte* and *Alphonse Bouvier*.

Sanchezia nobilis is a plant coming rapidly to the front as a fine bedding requisite; its broad green foliage with yellow stripes gives it a striking appearance. It is easily propagated.

K.

Made-Up Work.

"Give me some loose flowers, please, I do not want any 'set pieces,' they are so stiff and formal looking."

"Yes, but—my dear customer—that depends very much on how they are put together and for what purpose intended."

"O, I like naturalness and simplicity as always preferable to the florists' art."

"And I prefer to look at nature rather than her pictures; but all the same I do not decry artistic paintings—nor do you! What is the relation of masterpieces to mere daubs?"

Because many floral designs are excrescences it is proven that all of the florists' work belongs to the same category? I have heard ladies say "I simply can not endure 'set' pieces of flowers"—and I have noted that their own houses, supposedly criterions of good taste, contained artificial palms in jardinières and artificial roses on the buffet.

Deliver me from *all* this sort of thing, and artificial flowers of every description—whether wax, paper or cloth. Is this not the reason, I wonder, why man "kicks" so over millinery bills? I am glad I have no wife to "frozzle" her head with bits or huge bunches of parti-colored cloth flowers(?) and deem it a "love of a bonnet."

The vase or urn of cut flowers illustrated herewith is nothing at all remarkable or even original, and yet at the same time is particularly useful for certain occasions. Make the base itself of Beaconsfield pansies, one shade of carnations or the like, and the base of ivy leaves; while the bouquet part affords excellent opportunity for the display of good taste and can be made strikingly attractive.

A standard ship-shape anchor of English ivy with violet chains and a pendant loose wreath of roses is a beautiful piece of art when well done—still I wouldn't want it on a "dinner table" exactly—its proper place—is somewhere else.

Ivy is a superior groundwork and its leaves are susceptible of an effective polish by rubbing with a woolen cloth lightly saturated with olive oil. Bronze and green galax leaves possess a natural gloss and are more and more used by florists generally. I consider them a valuable addition to our stock in trade. Hardy wood ferns are also an interesting factor, especially so in design and basket work for covering moss and tin foil. Wire, match sticks or toothpicks should never be at all prominent, or the work of arrangement in evidence to the ordinary observer. To him it ought to have the natural effect of being almost thrown together.

Someone has said "It is needless to say there must be labor in any work of art, but the spectator must not see nor share in that labor; the effect upon him must be spontaneous."

I expect we will have more along this line in a paper or address before the coming meeting of the S. A. F. in August at Pittsburg.

GROVE P. RAWSON.

Decoration for a Small Banquet.

We present in this issue an illustration of the decorations at the recent annual banquet of the Chicago Trade Press Association.

The table was set in the shape of a T and covers laid for 35. Two small dining rooms being connected with wide sliding doors were used. The upper part of the T formed the head of the table, being set in one room, while the leg of the T ran through into the next room.



ARRANGEMENT BY MR. GROVE P. RAWSON.

Our illustration shows the upper part of the table, the group of decorative plants in the large window recess back of it, and part of the table extending into the second room, with a group of palms at either side at the foot.

The main part of this decoration was made of Jacqueminot roses and single yellow daffodils (Trumpet Major). Two round plateaus of Jacqs were placed one at the head and the other at the foot of the table, the one at the head being placed at the upper center of the T, flanked on either side by a cut glass vase filled with daffodils. Outside of these again stood two cut glass rose bowls which contained Jacqs. Down the leg of the T Jacqs in rose bowls and daffs in vases were placed alternately. A vase of superb carnations sent by Fred Dorner & Son of Lafayette, Ind., were quite a feature at the lower end of the table, although these had not been intended originally as part of the decoration. Wood ferns were laid on the cloth, dotted here and there with Jacqs and daffodils. The effect of this decoration was quite striking.

On the whole perhaps it is a little more elaborate and expensive than would be called for in the majority of cases for an occasion of the kind, as the estimated cost would be about \$1.00 per plate. Figuring the roses at the low price of 8, say 200, \$16; 150 daffodils at 3, \$4.50;

wood ferns \$1; adiantum \$1; add to this a load of decorative plants as adjuncts at a cost of \$10. Not figuring the vase of carnations, nor the frames of the plateaus, use of cut glass vases, etc., we have as first cost \$32.50, which would certainly warrant a retail price of \$60 to \$65.

Spring Plants in Boston.

In Boston the bedding plant trade has not increased to any extent for the past few years. This branch of the business has been steadily drifting into the hands of the smaller growers, those whose houses are not adapted for anything else, or who from their proximity to the cemeteries or for similar reasons find their best profit in bedding-plant growing. Competition in the cheap grades of goods produced by these establishments, and the resulting low prices, have injured the business for the large growers, who with the adoption of modern methods of utilizing space in greenhouses for roses, carnations, chrysanthemums and Easter specialties, either continuously or consecutively, find under prevailing conditions but little encouragement to bother with bedding plants.

That those who grow them do so at a general profit is evident, but it would be a difficult matter to arrive at any reliable figures as to what varieties yield a profit at present figures, or what varieties are



DECORATIONS FOR A SMALL BANQUET (35 COVERS).

grown at a loss. The general assortment of geraniums, petunias, verbenas, pansies, daisies, coleus, achyranthes, etc., are propagated and sold, year after year, by a class of growers to whom, in the great majority, business methods and careful management are unknown. There are a number of large growers also, who run their houses for bulbs in winter or otherwise arrange to have vacant space in spring time, which they devote to growing bedding plants in large quantities for the spring auction sales, but these growers take little account of the returns from one or another variety, as auction prices are erratic and unreliable, and their only interest is to assure themselves of a good net profit from the whole deal.

As to demand, flowering plants are far ahead of mere foliage plants. Coleus, alternanthera, achyranthes, centaurea, etc., have all seen their best days. Pansies are desirable at any and all times, and they know no fluctuations of popular fancy. Of the regular list of summer flowering bedding plants the double and semi-double geraniums stand at the head, and while the new sorts all sell well yet the old so-called double General Grant leads them all. Single geraniums are far behind the double in popularity. Of geraniums it is true as of all flowering plants that a plant with a bloom on it will sell for twice or three times as much as one without, although the latter may be the

better plant. Like the geraniums, petunias sell best in doubles, although the reason for this fancy is not so apparent, as a double petunia will stand bad weather no better and is not so brilliant or free flowering as its single fellow. Verbenas are not as much in demand as formerly. Salvias have a field to themselves, and are not likely to be superseded. A plant which deserves to be more generally grown and which is peerless as a continuous bloomer for baskets, lawn vases and gardens is *Gaura Lindheimeri*.

Subtropical bedding seems to be rapidly gaining a foothold. Grasses, musas, caladiums, ricinus, nicotiana and, most of all, the flowering cannas and tuberous begonias, are largely used for ornamental beds on lawns, where a few years ago geometrical designs in alternantheras, echeveras, golden feather, etc., had exclusive possession. In the cemeteries, which still furnish much of the demand for the general assortment of geraniums, heliotropes, lantanas, vincas, salvias, etc., the tendency to introduce subtropical effects by the use of large foliage plants is also on the increase. *Acalypha* is one of the most recent as well as most effective introductions in foliage plants, and much is expected from the latest novelty, *Strobilanthes Dyerianus*. Crotons do not succeed here as a rule. The night temperature is too cool for them.

The most prominent feature at present

in connection with the plant trade in this neighborhood is the strong indication of returning popularity in herbaceous perennial plants. This is coeval with a greatly increased demand for ornamental flowering shrubs and hardy low growing native and foreign evergreens, which are planted in beds or as single specimens. As the people advance in wealth, education and refinement, and own their own homes, the decoration of their grounds claims more and more of their attention, and the tendency to suburban life is a strong factor in this tendency. Dealers in hardy plants report a large increase in the demand for those varieties which are not weedy in habit and which afford a succession of bloom, most particularly for those plants which flower in spring and early summer and late fall, possibly because families are a way from home during the summer months and early fall. *Aquilegias*, poppies, irises, *pæonies*, *campanulas*, *doronicums*, *delphiniums*, *gaillardias*, *phloxes*, *lychnis*, *anemones*, *asters* and those grandest of all recent introductions, the hardy *pyrethrums*, all show a rapidly increasing demand. Lilies are eagerly sought for, but many fail with them on account of location or ignorance of their requirements. Hardy perennials would advance still more in favor if it were not that when grown their necessities are too often neglected; special locations and care and study of their habit

and wants will give surprising results, and it is only under such circumstances that their utility is fully demonstrated.

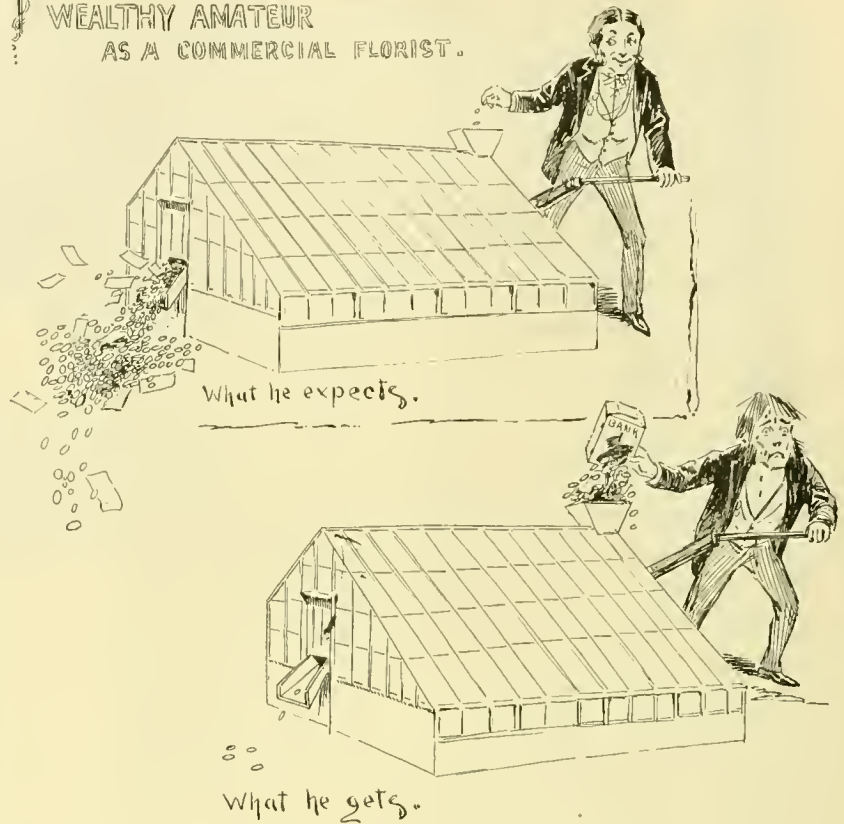
The prevalent custom with many plant growers of selling imported plants, such as palms and azaleas, without first getting them thoroughly established, should be vigorously condemned. Plants just shovelled into pots on the day they are received and then sold in a day or two to customers, or sent to the auction rooms, are sure to die, for it is impossible for them to live under such treatment. Such a practice works great injury to the trade and brings discredit on all connected with it.

Confessions of an Amateur.

I have often thought the florists' trade one really worthy the attention of a gentleman—there is something refining about it, to say nothing of the immense profits. I have thought, too, that a man of my calibre might elevate the business; I mentioned this to a rose grower of my acquaintance, but he seemed to think I was more likely to depress it—in fact he said something unpleasant about running it into the ground. Strange to observe the narrowness of some minds. I did not, however, make up my mind suddenly to embark in this business. My own interests (Sharps, Flattes & Co., real estate and loans,) were quite absorbing, but I spent my leisure in my garden, and gleaned much information from the horticultural departments of the daily papers. When I read of the lady who made \$17,000 from violets one winter (all grown in frames, which she attended to in her leisure moments) I was fired with emulation, and the description of the De Billion wedding, which called for 143,000 roses, 11,000 lilies and 44,000 yards of smilax, using the entire crop from Boston to Denver, made me feel that there was still room for a really conscientious grower. I began, about this time, to visit all the commercial growers I could, note-book in hand, and I must own they were very willing to impart information, only, unfortunately, they used such very singular language that I found great difficulty in understanding them. For example, I went into a carnation house one day, and noticing it was excessively hot I asked Mr. Cuttings, the proprietor, whether it was the usual temperature. He said: "Oh, no, it's just about time I put a crack of air on." I said: "Oa what?" and he answered, with some surprise, "Oa the house, of course." Well, I watched him, for what a crack of air was I couldn't imagine, it sounded like a nautical term, and I assure you, upon my word, he didn't do a thing except wind up a very stiff wheel at one end of the house!

I found the same difficulty in their plant descriptions. I am (or rather, I was) much interested in chrysanthemums, feeling sure they would be very remunerative, for all you have to do is to cut a plant up into slips, stick them into dirt and grow them on. The greatest trouble I had with them was to train them to one stalk, which Mr. Cuttings said was the way to produce the finest flowers. He told me to stop the huds, and as the only means of stopping them, so far as I knew, was to remove them entirely, I cut the tops off all my plants. One would think this was sufficient stop for any plant, but those miserable chrysanthemums, instead of restricting themselves to one big flower on top, immediately began to throw out weak little branches all down the stem, and before I realized what had happened my single stem plants were all hushes.

THE USUAL EXPERIENCE OF THE WEALTHY AMATEUR AS A COMMERCIAL FLORIST.



This was discouraging, so I gave up any idea of prize chrysanthemums that year, and determined to study them closely at the November shows. Mr. Cuttings and his friends were very kind here, but their manner of imparting information was very singular. I was making notes on an immense sandy boned blossom which had attracted my wife's attention, chiefly from its strong resemblance to Herr Ruffanthumpski, the distinguished pianist, when Mr. Cuttings remarked, abruptly, "Mrs. Lafayette Smithkins is too leggy for me, and weak in the neck, too." This seemed really insulting, particularly as Mrs. Smithkins is one of our society leaders, and I was simply amazed when Mr. Grafts, another florist, remarked contemptuously, "None of that Smithkins type has any constitution, and they're eat up with rust. When do you strike Smithkins?" I said indignantly, "Gentlemen, what would you strike Smithkins for?" and they answered in chorus "Why, for exhibition blooms only—no earthly use for anything else." It gradually dawned upon me that they were speaking of the flower, not the individual, but until I became familiar with plant names I had several similar shocks. What was I to think when Mr. Cuttings informed me that Miss Tompkins was a heavy feeder, that Mrs. Smith needed houe, that Colonel Jinks was liable to be crooked, and that Dr. Fourthly had a tendency to go blind? I can not help thinking this style of naming is overdone, though of course there are occasions where it seems advisable, as in the case of my new set, to be sent out next year (J. Robinson Sharps, Mrs. J. Robinson Sharps, Miss Ianthe Sharps and Master Beddgelert Sharps).

My studies among the trade resulted in the building of a block of modern houses, and the selection of a staff of employees. My greatest difficulty was in securing a

foreman—of course I intended to supervise the entire place myself, but still a working foreman seemed a necessity. The first man selected for the place only staid two days, owing to an unfortunate difficulty with Mrs. Robinson Sharps and the cook. It was the opinion of the latter that the foreman, not being expected to work as steadily as the other men, might very well attend to the vegetables and other errands for the house, and of course Mrs. Sharps coincided with the cook. The foreman, however, didn't; in fact he was really unpleasant, and asserting that he was no scullery maid, and wouldn't be bossed by petticoats anyway, he left on the very next train. It was annoying, for I was anxious to get my roses planted as soon as possible, as Mr. Cuttings had informed me that I was already late for such work, it being the end of October. However, by abundance of manure and plenty of heat I had no doubt of soon catching up. I had selected American Beauty as my chief crop, having noticed that they always command such a high price, and I calculated that even at the conservative estimate of one flower a day for each plant I should pay for my entire establishment that winter, and have enough left for a European trip besides. I must confess, however, that my hopes were not realized; every kind of bug and worm known to floriculture appeared to make itself at home in my houses, and by the time I had conquered the insect world there wasn't anything left of those unfortunate Beauties except bare sticks. However, they were not entirely valueless, as I planted the houses with English cucumbers, and trained the vines over the dead rose bushes; the effect was really unique, and I noticed that even Mr. Cuttings was evidently surprised when I took him in to look at them.

I had given some attention to the question of bulbs, as a very intelligent gentle-



A LOVELY GROTTTO. [SEE PAGE 820].

man from Holland had given me a lot of information on the subject, and the bulbs were so remarkably cheap that it was impossible to lose much by them, even if they didn't all bloom freely. My tulips were rather disappointing, however, as they failed to produce a succession of flowers; after cutting one crop all my efforts to start them blooming again were a failure, and I had the same trouble with hyacinths. I suppose they were not really strong bulbs. My Bermuda lilies didn't bloom at all. I had a difference of opinion concerning them with my second foreman. He was potting them in very rich earth, with an abundance of manure. I knew that couldn't be right, as I had seen lily of the valley forced in nothing but pure sand, and there seemed no reason why Bermuda lilies should be treated differently from any other lilies. My foreman objected strongly to this, he was opinionated, like most Scotchmen, and he simply pulled off his burlap apron, and remarking "Do as ye like, mon, but I'll no be a pairty to starving you puir bulbs," he left me. I thought McCulloch acted in a very hasty manner, but Mr. Cuttings has since informed me that none of the florists grow Bermuda lilies in pure sand.

I must own that I found a good deal of difficulty in securing adequate help that really met my views. As I had entered the business with the firm intention of

elevating it I did not desire the type of gardener I have so often seen about commercial establishments, who seem to have no idea of the refinement of their occupation. I tried to give my views to my third foreman, but though a most respectable young man and well recommended, he didn't seem to sympathize. He said, with unnecessary vigor, "Well, sir, if you want a lot of bloomin' livin' pictures around this place you can get 'em, but I'm looking for men that can work, and if my men are shy on culture you can bet they'll hustle when it comes down to work." His views, though crudely expressed, seemed to work admirably in actual practice, and I have always regretted that circumstances caused him to leave me.

My experience (I have certainly had experience) leads me to disagree with those who regard the carnation as a money-making flower. I decided to grow carnations quite heavily, as I noticed by the daily papers they brought from \$2 to \$4 a dozen, and didn't require any artificial heat except in very severe weather. I had some idea of growing them in frames, the same as violets, but my violet experience was so discouraging that I gave up the idea. Instead of growing my violets faded away like a vision; first they became afflicted with an eruptive skin disease uncommonly like vegetable measles, and then they absolutely melted. I have

heard of an ice plant, but I am quite sure the ice plant couldn't melt any faster than my violets did. When I named the matter to Mr. Cuttings he simply told me my violets had "the disease," and I had better burn whatever was left of them, and not replant till the next season. So my violet frames were empty and useless until my foreman planted them with spring onions, radishes, etc., which was well enough, only that my wife had christened our place "Violetsholme," and it was embarrassing to acknowledge that the violets were chiefly onions. But to return to the carnations. My foreman dissuaded me from growing them without any heat, and I was amazed to find that they needed as much attention as roses. However, I picked a few flowers in November, and sent my first consignment of 400 to Mr. Addem, the commission dealer, with a good deal of pride. I was rather shocked when my consignment slip came back, crediting me with 97 cents. I immediately went to interview Mr. Addem, and was very pleasantly received by that gentleman, but when I mentioned my carnations he told me in a genial manner that he didn't expect to sell them at all, only he had met with a man who didn't know carnations when he saw them. It appears, from what he told me, that commission men have a prejudice against consignments of long and short stemmed carnations of all colors, packed loosely

together in the box, and I found that it I expected to sell my flowers they must all have long stems, and be packed as tenderly as Sevres china. This must diminish the profits very seriously, although Mr. Addem tried to persuade me that there is more money in selling 100 flowers at \$2.50 than 300 at 50 cents. But I was not obliged to puzzle long over the question of selling flowers; as the politicians say, I was soon confronted by a condition, not a theory. If my violets appeared to suffer from measles, my carnations undoubtedly had small-pox; most objectionable pustules appeared all over the leaves, and gouty looking swellings at every joint. My foreman said they had "the disease," but this was so very indefinite that I consulted Mr. Cuttings. He pronounced it a combination of rust and purple joint. I asked him what to do, and he told me genially that I might use Bordeaux mixture for a time, if I wished—then I could throw the plants out and burn them, and be sure that the place was properly disinfected before I planted carnations there again. This mention of disinfecting gave me an idea of antiseptic treatment, so I painted all the steam pipes with tar and then burned pans of sulphur through the houses, but this utterly failed, and the plants never rallied. I have since learned that the sulphur treatment was unwise, and that nothing will ever grow in those houses so long as there is any tar left on the pipes. This is embarrassing; it seems that my only resource is to buy a lot of incubators and turn my carnation houses into a chicken run. I hope chickens don't mind coal tar. So my first season left my rose houses filled with cucumbers, carnation houses full of chicken coops, and violet frame full of onions—to say nothing of my experience. I think I shall try orchids next—it is absurd to think that an experienced man of business can not master the details of such a simple profession in time—that is, if his money holds out—although at times I doubt whether the profits are as great as the newspapers lead us to believe. I think I shall try raising new roses and chrysanthemums—the process is not difficult, and the remuneration very large; otherwise my outlay, so far, must be charged to profit and loss.

J. ROBINSON SHARPS.



The three chums sat in the potting shed enjoying the dignified ease that follows a good day's work. Davy Boyle leaned back on what was described as the lounge, an erection of delivery boxes artistically draped in burlap, his serious Scotch face bent on the piece of copper

wire with which he was giving additional backbone to the article mentioned by Uncle Josh Whitcomb as galluses. The little sharp faced Englishman, derisively styled "His 'Ighness'" around the place, chiefly because his misguided sponsors had burdened him with the name of Reginald, was fitting a new collar on a very solemn setter, varying the proceedings by shying an occasional lump of putty at Dutch Otto, who sat in silence on the top of the peat barrel, puffing vast clouds from a deep-bowled pipe.

"Ain't you afraid you'll break a blood vessel some night, Otto, with yer bloomin' lively ways?" inquired "His 'Ighness'" with deep sarcasm. "S'elp me if you've said a blessed word since you eat yer supper, and this bloomin' old Scotchman is so took up with mendin' 'is braces that 'e's about as cheerful as two Hegyptian sphynxes. It's 'ard on a bloke wot's formed for refined society, like me."

"We're no henderin' ye talkin', mon, if it's society you want," said Davy. "But after bendin' over the cuttin' bench all day I'm no in the humor for claverin'—it's a wonder my back's not fair broke the noo."

"Now don't you get talkin' about breakin' yer back over yer work," said the Englishman in a tone of disgust. "It puts me in mind of a Dutchman wot worked with me in Toledo—leastways 'e didn't work, for 'e was a lazy devil—not meanin' no offense to you, Otto, for I'd whop any bloomin' toff that said you was lazy. But this fellow Gus, 'e 'ad somethink the matter with 'is back, and it was a mysterious hailment too, halways ketchin' 'im w'en least expected. H'I've seen that bloke took sudden with 'is back w'en we was on the roof glazin' in July, and 'im 'elpless, and as limp as a little faded flower (which 'e didn't resemble, weighin' up'ards of twelve stone) and me and another chap 'ad to lift 'im down to the gutter, with 'is 'eels a-tappin' 'oles in the glass hevery move, and the hold man down below prunin' 'ybrids. W'ich you know prunin' two-year hold 'ybrids in July aint wot you might call a soothin' job, and the hold man 'ad quite a flow of language—Lor', 'ow 'e did cuss w'en 'e feel the glass go down 'is collar—it was enough to turn a self-respectin' laylock sky blue. An' w'en we gets Gus down on the gutter we 'as to slide a glazin' ladder hunder 'im, like 'e was a bloomin' corpse, w'ich I wish 'e was, and the hold man gettin' more hactionable in 'is language w'en 'e see the 'oles in the roof, and we 'as to slide 'im down on the floor in the pottin' shed, and stick a pillar of Cape flowers with "Rest" on it in purple immortelles hunder 'is 'ead, w'ich was the only time the bloomin' thing was hever a bit o' use, bein' mostly chucked up on a shelf, along of a lot o' scaly hold bouquet 'olders. There we 'as to rub 'is pore back, and give 'im a good stiff drink to bring 'im round, and 'e say 'e honly need a bit o' rest, and 'e lay down hon a 'eap o' moss hunder one o' the benches. I 'ope 'e rest a bit, honly some bloomin' hockerd cove as was 'elpin' carry a 'and-barrer o' wet soil through the 'ouse managed to trip just a passin' 'im, and the barrer and w'ot was hon it gets bloomin' well spilled hover pore Gus."

"Bet id vos you," remarked Otto with a chuckle.

"Well, it might be as I was took bad in my wrist and let the barrer slip just as we pass Gus. But then I seed 'im took bad with 'is back before. It was one day w'en we was doin' the hannual spring

cleanin' (w'ich came around about once in five years), and we was movin' a precious lot of bloomin' hold rubbitch w'ich the hold man 'ad stowed away, sayin' it would come in 'andy some day. There was hempty boxes, hold plant tubs, rotten moss, rusty wire, wire shapes wot 'ad got smashed flat, and assorted 'orticultural brickerbrack—we never knowed wot we'd strike next. Gus, 'e was workin' like a 'oss, makin' a bloomin' record for 'isself, w'en 'e ketches 'old of a barrel filled with wet moss and gives it a 'eft. 'E just gives one groan, and falls back like a bloomin' corpse. We see wot hailed 'im—the barrel wos too much for 'is stren'th, and 'e'd just about done for 'isself. We just laid 'im hout, and brought 'im round, and a precious lot o' rubbin' it took, and the hold man, 'e sez, 'Go 'ome and take a rest,' 'e sez, 'and 'ere's somethink to buy a plaster,' 'e sez, and gives 'im a couple o' dollars. 'E wasn't stingy, though 'e was such a bloomin' Tartar."

"D'ye ken what was in the barrel?" asked Davy.

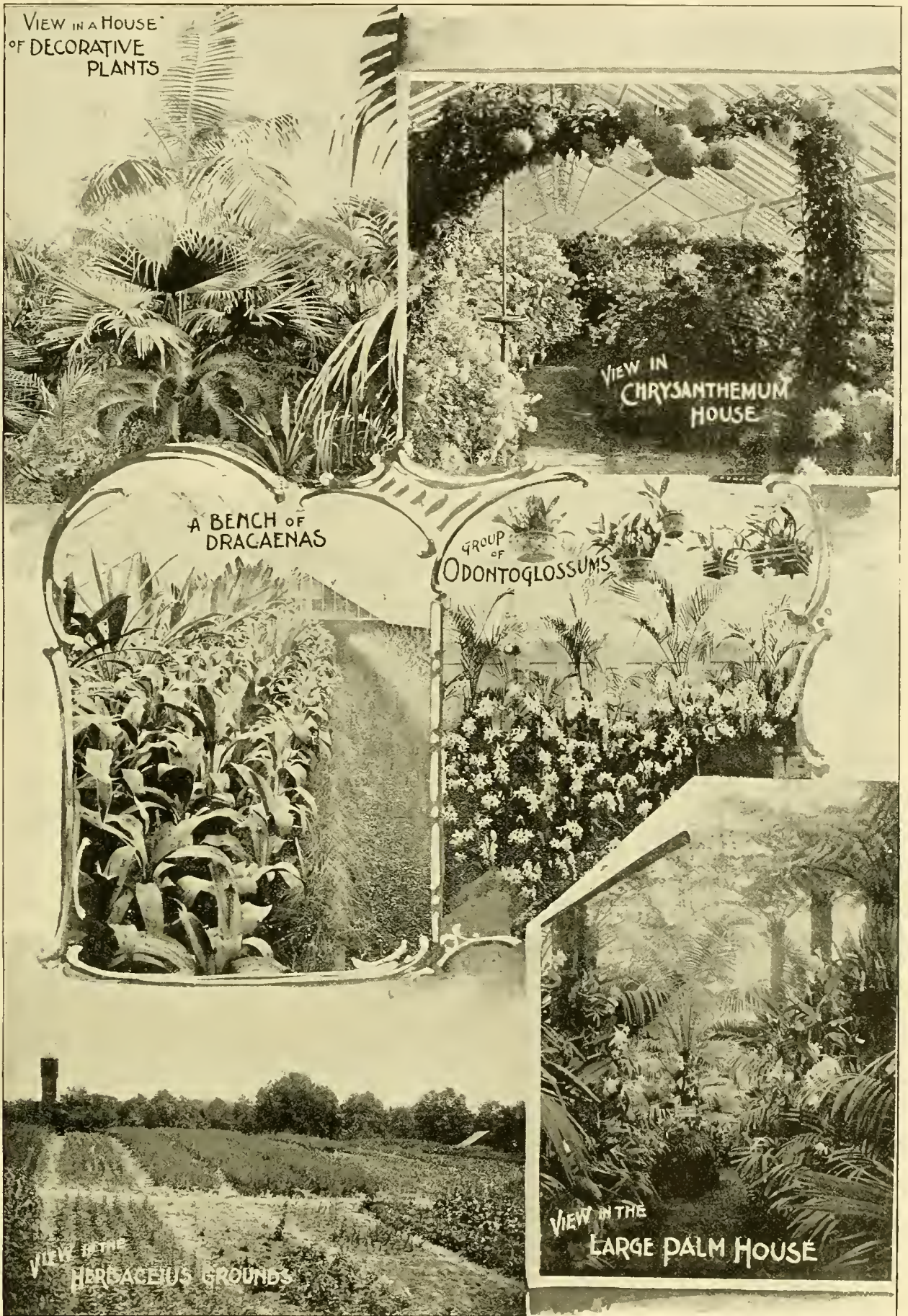
"Well, me and another chap, after Gus went 'ome, we thinks we'd move that barrel, honly we didn't want to break hour backs too, so we went at 'im cautious like, just bracin' hourselves for the shock. We says 'one, two, three, and hup he goes.' It did hup, like a gas balloon, and me and the other chap sprawled on the floor with the shock. S'elp me gracious, if that bloomin' hold barrel wot 'ad broke Gus's back warn't filled with nothin' but paper, and a two-year hold could 'ave lifted it in one 'and!"

A Lovely Grotto.

Our illustration represents a corner in the beautiful grotto at the conservatories of Mrs. F. L. Ames, North Easton, Mass. It is especially valuable as a suggestion as to the possibilities of beautifying show houses. Its simplicity is one of its chief charms. There is no greenhouse so small or so limited in resource that some little exercise of artistic taste on the lines here indicated may not be indulged in, and depend upon it, your customers will appreciate it at its full value.

The Florist and the Press.

Just how far the florist is responsible for the many inaccurate statements concerning his business which one sees constantly in the daily press, is a matter very seldom considered. The fact that the papers publish such items shows that some interest is felt in the trade—and isn't it natural to imagine that they would prefer accuracy, if such were obtainable? But apparently it is not. A reporter, who knows as much about floriculture as he does about the cuneiform tablets of Ninevah, interviews some one in the trade. He may receive genuine information, which his own ignorance prevents him from applying, or he may meet with one who, unfortunately, thinks it legitimate to tell him most extravagant fiction, under the mistaken impression that he is advertising his business thereby. In either case the trades suffers, but especially from the exaggeration. It is our belief that the attempt to do away with funeral flowers is largely the result of newspaper exaggeration; people look upon them, not as an expression of the faith which robs death of its terrors, but as an evidence of extravagance and ostentation. We all remember a recent story of this kind; it was commented on from Maine to California, and the burden of the com-



VIEWS AT PITCHER & MANDA'S, SHORT HILLS, N. J.

ment was that florists minister only to the luxury of the rich, and that funeral flowers have become such an extravagance that right-minded people should set their faces rigidly against them. This was certainly advertising the trade, but in the wrong direction, for the florists received quite as much public reprobation as the unfortunate millionaire who didn't order the flowers. Of course the story was finally denied, but the refutation would never attain the publicity of the first story, which is probably still in circulation among the patent insiders.

How are we to improve matters in this line? To begin with, every man in the trade should feel it his duty to quietly correct a misstatement whenever he meets it; few of the big dailies will not find room for a short and impartial communication pointing out a glaring error. We had a little experience in this line lately, when one of the Chicago dailies published a very glowing article telling how any woman could easily find health, wealth and happiness in growing flowers for market, without the expenditure of much labor or capital. It told of a big demand and high prices, and was entirely silent as to the hard work, constant watchfulness and keen insight needed in the business. A communication written from the florists' standpoint was sent to the paper publishing the article mentioned above; following is an extract:

But, seriously, all this newspaper advice about making a fortune in the flower trade would be absurdly comic if it were not so often pathetic. A woman certainly can manage a florist's place. But even with brains and capital (and both are needed) it is absurd to talk as if any woman could do all the work of the greenhouse (except firing) and find health therein. Of course she can cut, bunch and pack flowers for market, disbud roses or carnations (your correspondent appears to confound disbudbing with removing shoots for cuttings); she may pot plants and thereby reduce her hands to the condition of deep-brown nutmeg graters, but she certainly cannot empty and fill benches, mix the compost or do the watering unless she combines muscular ability with bicycle-bloomers. There are women florists in the country—some very successful—but none of them imagines she can run a place without the aid of tyrant man, if only for his muscle, and a good many of them only succeed in making a bare living. Indeed, though I know many florists in comfortable circumstances, I can scarcely recall one who has made enough money from flowers alone to retire on a competency.

The information that roses, if well grown, are always salable at high prices will be received as a startling item by many a florist around Chicago. Just now all flowers are bringing a good price, because of the weather man's conspiracy against the growers, but as soon as the mercury begins to climb there will be a glut, and profits will be below zero. And the idea that there is no trouble in carnation growing will appeal with startling force to the men who have wrestled successfully with rust, botrytis, anthracnose, rosette, bacteria, and a few other aristocratic ailments with which the "divine flower" is afflicted. The value of the fumigating pot as a cure for rose bug will be viewed with doubt by those who have put their trust in hand-picking and baked soil, but evidently the writer alludes to green-fly (aphis), which doesn't like smoke. The real rose bug is a horrible little fiend, which grows fat on poison, and regards smoke with perfect indifference.

As regards the work of the decorative or store florist, I believe it an excellent field for women. Strangely enough there are comparatively few so engaged in this country, particularly in a prominent position. But, though I know there are women making a success of growing flowers, I must say, emphatically, that your correspondent gave a very misleading idea of the trade, and one likely to do harm. Competition in the business is already very keen, and, in the neighborhood of a great city particularly, the untrained beginner is likely to receive many a shock. Flowers are marketed quite as unsympathetically as cabbages and their sale through the wholesale trade fluctuates like that of any other perishable commodity.

This was promptly published, and without doubt did much to counteract the effect of the inaccurate screed first printed. Now, why not bear this in mind, and lend your aid, not only in correcting misstatements, but also in supplying reliable information. There is great need for this at all flower shows. At the Chicago shows a typewritten list

of the leading events and premiums awarded is prepared every day, and furnished to all the daily papers in the city, a convenience which is highly appreciated. This system should be carried out at all flower shows, and an efficient press committee should be on hand to see that the reporters notice the most remarkable features, and obtain reliable information thereon. If this duty was attended to properly we should not see so many absurdities in show reports. As to the value of these reports from an advertising standpoint there can be no doubt.

In the case of florists in small towns there is a much better chance to educate the public. Local papers are usually very ready to use local matter, and there is no reason why the farm and garden department, usually composed of more or less antique clippings, should not be revised and brought up to date by the florist. Of course he would not expect to be paid for it, but his name would appear there, and he would find it a great advantage to be looked upon as an authority in his craft. He will give people plenty of ideas—it is surprising how ignorant the average man or woman is concerning trade matters—and he will benefit the trade at large, as well as his own immediate section of it.

We certainly may thank the newspapers for much of the increase in decorating for weddings and receptions. If it was not for the publicity given to these entertainments people remote from the great centers would have very little idea of the display made; as it is, the simplest village function tries to make some show in this line. But, like funeral flowers, these decorations will suffer too from misstatements and exaggerations. Some of the old New Yorkers tell of a famous entertainment given during the latter days of Boss Tweed to a large company of the most disreputable notabilities of the city; the rooms were most lavishly decorated with camellias, and the newspaper reports, sarcastic and condemnatory, gave that waxen flower an ill-repute that seems to have killed it in the eyes of flower buyers forever.

Easter Plants at Chicago.

The demand for blooming plants at Easter time has been growing steadily for a number of years, until it has become a very important feature of the plant trade. It is a source of revenue to many growers, and if handled in an intelligent manner has proved quite profitable. There is a condition, however, upon which hinges to a large extent the success of the Easter plant trade, which is entirely beyond the control of the grower, and that is the condition of the weather just at the critical time of marketing the plants. This has been forcibly illustrated at various seasons, when owing to extremely unfavorable weather the demand for this class of plants was seriously reduced and much of the stock that could have been disposed of at good prices if the weather had been fine was left on the hands of either the dealer or grower. But such are not by any means a total loss to the grower, since the flowers of the majority are marketable as cut blooms, although if disposed of in this way the profit will be reduced to a considerable extent.

A visit to various establishments around the city shows that as Easter flowers *Harrisii* lilies easily lead the list. The great bulk of these however, are intended as cut blooms, but many thousand also find a ready market as pot plants, and are grown and treated for

this purpose. How to manage both of these plants so as to have them in bloom at just the proper time is an absorbing question and one that can not be easily answered. The date of Easter varies nearly 4 weeks, much depends on weather and then again the forcing quality of the bulb varies also. This present season the reports are nearly unanimous that the bulbs force quicker and more readily than last season. Easter coming at a late date this year the problem with many will be not how to bring them into bloom early enough but how to keep them back. Perhaps this is not a very difficult matter where proper house room and other facilities are had.

Mr. August Dressel, who grows several thousand of these for the wholesale plant trade says in regard to this question: "I do not care to be quoted as to laying down rules and regulations for treatment or the time of starting the bulbs into growth in order to obtain a desired result. Experience and a certain amount of sound 'horse sense' is the most necessary thing to success, providing of course that your stock of bulbs to start with is a sound one. Now right here I might say that much of the blame as regards diseased plants in *Harrisii* is laid to the so-called bulb disease. I do not mean to say that it does not exist, but in my opinion much of this crippled condition of portions of the stock is due to either neglect or mismanagement by the grower. Here is a house of lilies that show more or less of this blight, but I am inclined to think it is as much my own fault as that of the bulbs. It is my opinion that I kept them too dry in the fall after being potted up, and then again there is danger of over-watering before the plants have fairly started into growth, which in my opinion gives the same result. Here is another batch in another house which is entirely healthy. No, I don't think it is a great trick to bring the plants into bloom at a given time. I don't mean that this should apply to very early forcing as I never attempted that yet, but at Easter time. I prefer to give the plants intended for pot sales plenty of time to develop slowly as this make stronger and sturdier stock. It is not difficult to control the growth as this depends on the temperature of the house you grow them in. If I find the plants advance too rapidly I keep them colder, on the other hand if I find them moving too slow I provide more heat. I think it is preferable of course to have them in bloom just in time, as this avoids the extra handling of the plants which is necessary if the crop comes in a week or ten days early. In that case the plants should be removed to a cool shed with light but little sun, where the plants will keep in good condition for a sufficient length of time, in fact the plants are hardened in this way and are as a rule more satisfactory than those taken right out of the warm houses. It is at any rate better than to be obliged to put on extra heat in order to have them on time, and so on the whole I would rather have my stock too early by one week than too late. I generally grow 7 to 9 bulbs, mostly in 6-inch pots, which this year average probably 5 blooms to the bulb. The average wholesale price is \$5 per dozen; a few of the best bring \$6 and if extra good a little more, and those with but 2 or 3 flowers will bring \$4. While the profit to the grower is not large at these figures, it insures at the same time a reasonable profit.

"*Callas* are not much in demand for Easter, or for that matter at any other time, still I grow a bench of them every year. These of course give a good many



DISPLAY OF ORCHIDS IN THE CONSERVATORY OF MR. JOHN L. GARDNER, BROOKLINE, MASS.

flowers during the winter which are cut and marketed. I grow them in 6 inch pots and sell the plants at Easter for \$30 per 100.

"*Spiraea* or *Astilbe japonica* is in demand at Easter, but is grown by many as much for the cut flower trade as for the plant market. Plants in 6-inch pots bring \$4 per dozen, which is considered profitable by the grower."

Staphylea colchica, which impressed Mr. Dresel last season as a valuable thing for forcing, is grown here this year on a little larger scale. Here is the grower's opinion of it: "I find this shrub can be forced into bloom without much trouble and as soon as sufficiently known to the flower buyer will be sought by them. At present but few of the retail dealers and for that matter growers either are acquainted with it at all, but I find it sells well as a cut-bloom, for which purpose I have grown the larger portion of the 300 plants imported this season. As to the wholesale price of the blooms at this season of the year I should say that less than \$1 per dozen would not pay. A strong plant will give about one dozen heads of bloom. These plants cost me abroad 28 cents each; adding freight, which on account of the heavy balls of the roots is quite an item, the expense of handling and potting, the total cost of the plants will stand the grower about 50 cents. My experience in carrying over the one plant I had for trial last season has not been satisfactory. This plant made a good growth but has

matured but one single flower spike this year; but of course this experience with a single plant doesn't prove much. I am trying a couple of dozen plants this year to sell in pots at Easter, and think they ought to go well.

"Azaleas? Yes, I grow a good many of them and intend the great bulk for the Easter trade. I select no special varieties for this purpose and I really think it makes little difference. You can have *Madame Vander Cruyssen* one of the earliest if you desire, and you may have this same variety as late as any other; it depends altogether on your mode of growing them. If I desire a certain lot to come in bloom as nearly as may be possible at a given time, I keep a close watch on them, removing those that show an inclination to push ahead into cooler quarters and others that don't come fast enough to suit me are taken to a warmer house. A late Easter, desirable as a whole for the plant trade, is not just the thing for azaleas. After the 1st of April the azalea is very apt to do about what it pleases; you can hold it back just so long and no longer; it will come into bloom in spite of all your efforts to hold it back. I find that plants which can be sold at wholesale at from \$9 to \$18 per dozen go the best. There is little demand in my line of trade for more expensive stock.

"Here is a small batch of hydrangeas. I don't go heavy on them for Easter, as the demand with me at least is but small. Yes, I am in quite heavy again on pot

roses. The stock is of my own raising, as I import but little. Although I sell a good many of them at Easter still the bulk of the stock is not grown for this purpose. Here is a nice little batch of *Hermosa* which I expect to bring in at Easter. A plant in a 5-inch pot will bring \$20 per 100, and in 6-inch \$30. This lot of hybrids, which also includes some *American Beauties* and *La France*, are intended for Easter. These are grown in 6-inch pots and will average \$5 to \$6 per dozen; the price of course depends on the number of flowers and buds to the plant; some of the best will fetch 75 cents to \$1 each."

Mr. Samuel Pearce also grows considerable stuff for the wholesale market and has several houses of *Harrisii* intended for Easter. These are well grown plants in 5 and 6-inch pots; 5 to 7-inch bulbs in 5 inch pots, and 7 to 9-inch bulbs in 6-inch pots. Most of these are for the plant trade, but Mr. Pearce says all of the plants are not always fit to be sold in the pots. A plant in order to be suitable for this purpose must be well furnished with clean foliage from the pot up, and the plants that are lacking in this respect are useful only in supplying cut flowers.

Here we saw an exceptionally fine batch of Dutch hyacinths in full bloom. Speaking of these says Mr. Pearce: "Here you see in this lot an illustration of the extent the weather conditions operate in the sale of pot plants. These plants wouldn't be here if the weather was warmer and more pleasant. As it is the store men don't

care to handle them and I shall be obliged to cut the blooms of many, but the best price to be obtained for these is but 75 cents per dozen, while the plants in pots would bring \$1.50, which is the wholesale price of well grown and popular sorts, though a good many are sold at \$1.25. Yes, I grow several thousand of them for Easter and I find they go well."

It is here we saw a splendid batch of Beauties, which make an admirable pot plant. These are treated just like hybrids, having been kept dormant. Mr. P. expects to realize \$9 to \$12 per dozen for them, being grown in 6-inch pots and covered with buds. A fine lot of azaleas and spiraea is also grown for Easter.

Mr. Aug. Jurgens grows *Harrisi* lilies for the plant trade and has an admirable looking lot of plants. These are grown in 6-inch pots, some of the stock being 5 to 7 and the balance 7 to 9 bulbs. The latter will average 6 to 7 flowers and are expected to bring \$9 per dozen. Mr. Jurgens has discarded growing azaleas for the market, not finding it profitable, but is as usual quite heavy in bulbous stock. Dutch hyacinths, the stock of which is fine, will be grown in large quantities for Easter, and also tulips, daffodils, etc., in flats, being sold in this shape to the dealers.

E. Wienhoeber & Co. grow a large amount of Easter plants for their extensive retail business. Azaleas are handled in considerable numbers and are always in good demand for Easter. Here we find that a large number of the larger and more expensive plants are readily disposed of, plants that bring at retail \$5 to \$10 each, though by far the largest number are of a size that sell for \$2 to \$4 each. *Harrisi*s are sold in large numbers at retail prices ranging from 75 cents to \$2 each, according to the number of blooms to the plants. Dutch hyacinths sell well and bring 25 to 35 cents each. Chinese primroses sell well, most of these go at 25 cents, a few of the finest plants bringing a little higher figure.

Rhododendrons, here as elsewhere, are reported as going rather slow, and are not considered a profitable investment. *Cinerarias*, of which there is an excellent stock of finely flowered plants, are much in demand at Easter and are profitable stock to handle. The public seems to take to cyclamens more than ever, but as these commence flowering in midwinter most of them are already disposed of, hence a few only, and these not of the best, will be left by Easter. Here we saw narcissus of various kinds and Dutch hyacinths, 6 to 7 bulbs grown in pans. Mr. Gregson, the foreman of the plant department, reports an excellent demand for these; says he: "Last year was the first time we grew the bulbs for the plant trade in this way and the demand was such that this year, in anticipation of an increasing demand, we have planted a much larger number. We have an entire house filled with them which are intended for the Easter trade."

Mr. John Kidwell, on the south side, is an extensive grower of Easter stuff, which is largely disposed of at retail on the premises. Mr. Kidwell is always quite heavy on *Harrisi*; this year he is growing some 5,000 plants, about 1,000 of these being intended as pot plants for the Easter demand. Unfortunately Mr. Kidwell was not at home when we called for the purpose of gleanings some information as to how to do it. That he knew how to do it, and do it well too, there is no question; this is evidenced further by the fact that his absence is explained by the foreman, who informs us that John

has gone to Lafayette, Ind., to inspect the new farm recently purchased.

Well, the lilies are looking fine although a certain percentage is here, as elsewhere, affected by the blight. The foreman in charge is strongly of the opinion that the chief trouble is a diseased bulb and not the fault of the grower at all. It is his opinion further, which is shared by a dozen or more of other growers to which we spoke on the subject, that unless this disease can be checked there will be no profit left to the grower, some of whom report fully 25% of stock thus affected, which of course is quite a serious item.

Dutch hyacinths are grown in quite large quantities and so are *cinerarias*, *primulas*, *callas*, etc. In one of the houses we find a fine bunch of *Begonia* *Vernon* nicely in bloom. These are in mostly 5-inch pots and of these the foreman says: "We find this variety quite a profitable thing to handle. The plants are in bloom all the time and sell readily. Quite a quantity is disposed of at Easter, but we also find it quite satisfactory as a bedder. We select a few of the best plants from which to obtain the seed. This is sown about the 1st of January and by planting out time we have nice little plants in 3-inch pots."

"What about *genista*? You have a few plants, but have seen very few elsewhere?" "Genista is a beautiful thing and is greatly admired by many, but it gives no satisfaction to the buyer."

This seems to be the universal opinion of all the growers.

Mr. Hilmers, of the Art Floral Co., who had as fine a lot of these plants last season as probably were ever grown here found the demand for them not as good as was expected, and he says: "It is a thing that you cannot conscientiously recommend. The grower knows full well it is hardly lasts a day after being taken out of the greenhouse. It has caused more dissatisfaction to the buyer than any other plant I know of." It is for this reason that we see but few of these plants this season.

The above are but few of a large number of growers who handle or grow Easter plants. Most of these grow sufficient stock, mostly of varieties mentioned, for their own home demand, and all are agreed that the demand for this kind of stock is rapidly increasing, the percentage of increase in the Easter trade as a whole being far larger in plants than in cut flowers.

Japanese Flower Seller.

The perambulating florist in our illustration offers quite a contrast to our ideas, with his flowering branches standing in bamboo jars. The Japanese are great flower lovers, and the flower vender is a familiar sight in the streets of their cities. They are very fond of flowering shrubs, cut sprays being much used in decoration. But their ideas of floral arrangement are very different from ours, and our choicest decoration would be coarse and inartistic in their eyes. All their floral arrangements have an underlying symbolism which we find difficulty in comprehending, though we can recognize the main principle, that of fidelity to nature. A single branch of cherry blossoms, standing in a bamboo flower holder, will be the result of as much thought as we give to an elaborate arrangement, and a mixture of incongruous bloom is never seen, being absolutely repugnant to them. The idea that a single rose, thoughtfully placed so that stem and foliage, as well as bloom, show to advantage, is sufficient decoration for a table, an opinion

offered recently by a lady of much taste, is certainly a move toward the Japanese ideal.

Spring Plant Trade.

Many florists throughout the country are looking forward to their spring sales of plants and the filling of flower beds, vases, veranda boxes, etc., to lift them out of what has been a dull and hard winter. It is now late to begin to prepare for the spring trade, yet a few hints at this date may help some that are less experienced than the writer, if such there be. Easter will have disposed of great amounts of stock. At Easter will go the great bulk of lilies, azaleas, *cyttisus*, lilac, rhododendrons, spiraea and many other batches of stuff grown especially for that occasion. There are, however, a few of the above which it is by no means desirable that the whole stock be exhausted at Easter time. There is always a noticeable awakening of business after Easter and the forty days of fasting are past, and May and June are good florist months, exclusive of the usual outside plant business. You should have a few late azaleas coming on at intervals until the middle of May; they not only sell well, but are most useful for decorating at weddings, etc.

Lilium longiflorum, which can be had in succession till almost time for the outside crop, is indispensable. They are used now so largely for church decorations, and for several other occasions, as we all know. It is not necessary either to rush all your tulips and hyacinths in for Easter. The four or five weeks that intervene this year between the 14th of April and the first of the outside bulbous stuff is a lively time, and I have always found tulips, narcissus, etc. sell well then. The sun is strong then, and the frost and snow should be gone, and people wend their way to the cemeteries, and the call for flowers in the aggregate is fourfold what it is at this writing. Spiraea sell well at Easter, but they are an unprofitable plant, for they take up too much room if grown well. A batch of them should never be forgotten for Decoration Day. You will perhaps have noticed that about the end of May, instead of flowers being most plentiful, as is usually supposed by the public, there is a sad dearth. In this city immense quantities of cheap flowering plants are asked for on that occasion, and a bushy well flowered spiraea will fill the bill finely.

But all this is not to the text; spring plant trade is the theme. Before I enter on what is generally known as bedding plants something should be said about a large class of plants that enter largely into our sales, and yet are not bedding plants. These are moderate sized flowering plants of a familiar and very varied character, bought by people who would not dream of purchasing a plant from November to March. Spring has had its inspiring influence on these poor people; perhaps the sight of a familiar flower has awakened some long past recollections of their childhood's home in a far away land. Whatever the reason it's a common sight in our public markets during May and June to see poor women by the dozen struggling home under a load of the coarsest vegetables and most inferior meat, yet finding a place in their arms for a pelargonium, fuchsia or geranium. Chief among the plants that sell at sight is a rose, and yet how few are offered, at least that I have seen. This scarcity, almost absence, in some localities, of a nice rose in a pot in the month of May is mere carelessness on the florist's part. A



A JAPANESE FLOWER SELLER.

young and thrifty plant of an H. P. rose from a 2½ or 3-inch pot, planted out in May in a good fresh loam, stopped once to produce 3 or 4 shoots, lifted in November or late October, potted into 5 or 6-inch pots and then placed in a cold frame plunged in some suitable material, can rest there without any expense to you till March, when it must be brought into a cool house and gradually grown along. Don't bother with the imported long legged dried up stuff, but grow your own roses, and on their own roots. You can buy the young plants from many reputable firms in this country.

Hydrangeas sell well and at a good paying price. They occupy but a short time really valuable space. Struck in March or April, planted out end of May in rich soil, or what I prefer, a spare bench where the hose has control of them, lifted and potted in October, beneath the bench or even cold frame thoroughly protected is all they want till March comes. From that on a cool house, plenty of water, and plenty of room, and you have in May a plant worth \$2. Hydrangeas are used now largely as a veranda plant, stood in a fancy pot. The show pelargonium is a plant fast coming back to popular favor. Hints on their culture have often appeared in these columns. They can be had as an Easter plant easy enough, but there are other plants more in favor for that occasion, and the pelargonium is better not forced. In May

they sell and are a very satisfactory window plant. A limited quantity of the showy calceolarias should always be grown. There is always somebody fascinated with their gorgeous colors. They are easy to grow; seed sown in September will produce plants to flower in April and May. Cool temperature, no greenfly, and careful watering are the essentials to make a nice calceolaria.

Fuchsias are used but sparingly planted out, but vast quantities are sold singly on the markets. For a long time the fuchsia had a fictitious price. A fuchsia in a 4-inch pot should not be worth more than a geranium in the similar sized pots. In fact not as much, for they have occupied the benches for a much shorter time, yet they used to fetch double the price. They are so easily grown and now raised in such large quantities that they have found their level. A few old plants that have been rested in September will, if shortened back a little, and given a start in October, yield all the cuttings you want from November till February. The earlier struck ones can be flowered in 6-inch pots; more will sell in 5-inch, and the later struck ones in 4-inch. Years ago fuchsias were never pinched, but allowed to run straight up. Some varieties, such as old Elm City, made a beautiful plant grown this way, a perfect pyramid, but nowadays it's the fashion to pinch out the leading shoot when the plant is a few inches high, inducing a much bushier

plant, and for the varieties now grown this is much the best way. Fuchsias want the richest of soil. A few good varieties of fine habit are Avalanche, Black Prince (a perfect habit), Cervantes, Ernest Renan and M. Thibaut.

The common zonal geranium, besides being the universal favorite for a bedding plant, is sold by the thousand singly as a pot plant, particularly are they bought by people whose humble sphere and circumstances do not allow them to aspire to a flower garden, ever so small. The doubles sell much the best. Good 3-inch plants selected in early March and shifted into 4 or 4½-inch pots will in May be fine bushy little plants with two or three fine trusses of flowers; they sell readily at 20 cents each, and there is money at that. Some varieties that are best suited for this purpose are the well known scarlet F. S. Raspail, the reliable pink Emile de Girardin, Beaute Poitevine, Mrs. E. G. Hill, Tour Eiffel, W. P. Simmons, and for a white there is none better than La Favorite.

The beautiful gloxinias should not be forgotten. The bulbs are very cheap and can be started in March, and need not get their last shift, a 5 or 6-inch, till the rush of May is over and your bench room is much less valuable. Heliotrope, although essentially a bedding plant, is sold in large quantities in 4 inch pots in April and May. They can't be called a good house plant, yet who can resist

buying a fine plant for 20 or 25 cents? Every one knows its unrivalled odor, and buy it on that account. Another common plant, the petunia, sells well in spring. If raised from seed sown in February, in April the doubles can be selected by any practiced eye and potted up into 4-inch, the best strains of the doubles are very fine, and meet a ready sale. They deserve good treatment and a stick to support them, and will often bring 50% more than a geranium, and have occupied the bench one-third of the time. Well grown and well flowered plants of ivy geranium meet with a ready sale. Many of the later introduced varieties are almost as fine as the regal pelargoniums. They, however, have a fault; when planted out or put where the roots have lots of room they flower but sparingly after the big burst of bloom in May and June, and are generally more satisfactory when the roots are confined to 4 or 5-inch pots.

Although a midsummer and fall flower don't let us forget the beautiful Japan lilies, auratum, roseum and album. They would be sadly missed now in the midsummer. Of the latter 3 bulbs in a 7-inch pot sells well. Well-to-do people buy them for their verandas, and for your own use in July, August and September they are a necessity. They occupy little room before April. They are hurt by being ever out of the soil and should be potted when received in their flowering pots, but not watered. Stood under a bench in the coolest house they will make little growth before March and April, and will not till then want bench room. The price of these has much come down within a few years. Last but by no means least is the universal favorite, the carnation. Where do we now see a good lot of carnations in 5 or 6-inch pots in good thrifty condition? and in flower next to the rose nothing sells better. To lift plants from the bench in April and sell them is not fair, sort of a fraud for they will never be satisfactory. I only know one way, and that I have seen practiced very successfully many times. Lift good bushy medium-sized plants from the field in September. Any flower shoots or even long growths should be picked off. Pot them firmly and plunge in a deep cold frame. They will be well-rooted long before severe weather comes, and if the sides of the frame are protected and double sash used in the winter months they will come out in March or April as fresh and green as those you have on your benches. Brought into the houses by the middle of March, in two months they will be fine plants in full bloom, and every one of your customers will want one. I am afraid to recommend any varieties for this purpose. I know what used to do grandly under this treatment, but they are gone; that was old La Purite and President Degraw. Since their day I have grown Garfield in that style most satisfactorily. Judging from their habit I should not be afraid to recommend Portia, Silver Spray, T. Cartledge, Tidal Wave, and above all Scott, for this purpose.

And now for bedding plants proper, including those that are used in vases, veranda boxes, etc. It is very evident to me that a change has come over the public taste or fashion within a few years, Carpet bedding ten years ago was all the rage, although at that time it was decidedly on the wane in Europe, where it has had its day. The carpet beds were expensive, very expensive, if well carried out, and people are tired of their stiff

formality. A bed of scarlet geraniums with some suitable edging, or a bed of Coleus Verschaffeltii with an edging of Golden Bedder, or still better, a mass of pink Emile de Girardin geraniums with an edge of Mt. of Snow will satisfy most people. Of course these can't be repeated where there are a number of beds on one lawn, but there is plenty of varieties of this style. The sub-tropical bed has for years been in favor with many people, and for particular places, but since the introduction of the French cannas, now generally known as the Crozy type, there is more of it than ever. Whole beds of different varieties of the new cannas are seen on every hand, and few beds can be more effective. The variety in the heights of the plant, forms of the leaf and shades of the flower, a sight that eye never wearies to rest on during the whole summer. In many cities, notably our own, the summer gardening largely takes the shape of veranda boxes, some fine residences having as much as 100 lineal feet of this sort of decoration. This is not hiding their light under a bushel, for as the happy owners sit on their verandas they see but little of the beauty of these flowers themselves, but to the beauty of the street or avenue they are an adornment of the greatest value, and make for pedestrians, equestrians, or the lucky owners of a carriage, a most delightful ride or stroll through the residence streets.

It would be tedious and uncalled for were I to attempt to enumerate all the plants used in summer gardening. The great object of a florist should be to produce a plant as quickly as possible and as large a plant as possible in the smallest pot consistent with its well-being. The great bulk of our bedding and summer decorative plants should occupy but little room till Easter is over. Now let us look at the state of a greenhouse or houses, where the bulk of the space is occupied at the present moment with 500 spiræas, 2,000 Easter lilies, 300 or 400 azaleas, several hundred cistus, 100 lilac, 300 or 400 cinerarias, a large batch of roses in pots for Easter, 600 square feet of bench filled (or will be in two or three days) with flats and pans of tulips, narcissus and hyacinths, 200 pelargoniums for Easter. Now this actually exists in a greenhouse I am well acquainted with. In walking through the houses you don't notice much of the spring stuff, but of course it's there, and not under the benches either. It is simply kept in as economical space as possible. I notice 3,000 Crozy cannas a few inches high, all in flats, 60 in a flat 2x1 foot, in three inches of sand. They will have to stop there until after Easter. I notice 20,000 geraniums mostly in 3-inch pots, but standing very close together, kept cool and dry to prevent growth, for they can't get more room or bigger pots till Easter is gone. Flats of sand are filled with caladiums, and standing on some 4-inch pipes along the edge of the rose and carnation benches are abutilons, the trailing variegated species, with vincas and other drooping plants. A good-sized batch of coleus and achyrantlies in 3-inch pots are occupying considerable room, and that can't be helped. Flats of echeveria are on a shelf just as they were put there last October. Flats of alternanthera are also on a shelf just as they were put in the flats last August; in April they will be potted off and go into a hotbed, the only place to grow them in the spring. Now look at the propagating bed; it is full of a lot of cheap stuff that will come in very useful by and by.

Coleus, achyrantlies, senecio, lophospermum, lobelia, etc. I don't mean to say I have mentioned a title of the plants that we use, but I want to convey the idea that you must husband all the room you possibly can till Easter is over, then there comes a great change. Strive to raise a plant as quickly as you can and let it occupy your benches as short a time as possible. The late Mr. Peter Henderson told me that the most profitable plant he grew was Coleus Verschaffeltii, and no doubt he knew, for he was a keen observer. Of course that means that from the time the cutting was put in the sand till it was an established plant in a 2-inch pot fit to sell was shorter than with any other plant. Minor considerations were that it was easy to handle as a cutting, the easiest of all plants for a boy to pot, and easy to grow, but the chief cause of its profitableness was the rapidity with which crops could be turned out, and that should be what controls price in all our products unless it be with our new and scarce varieties and species.

There are several expedients which florists have to resort to when crowded; some of these will occur to you. I hate hanging shelves; they are an abomination, but till you have the relief of the hot beds they are very useful, and many plants do finely on them. The hot beds are a great relief to the congested greenhouse after the first of April, and should be largely used. Many plants, such as heliotrope, alternanthera, the variegated and bronze geraniums, sweet alyssum, lemon verbena, mignonette, and in fact almost all our bedding plants, do admirably in them, and make better plants than on a bench where the house is shaded, and perhaps no fire heat. Never let your bedding plants be in an exhausted condition when selling time comes, or poor results will follow and your customers will remember. A good customer who has faith in you will believe you when you tell him that a geranium, heliotrope, ageratum or a canna is better not to be in full bloom when planted. I thought of giving some figures about my estimate of the cost of raising many plants I have mentioned. I find that is about impossible, and perhaps of doubtful value. Adaptability of houses, ability at the business, price of wages and fuel in your location, would all bear on this and make great differences.

WM. SCOTT.

The Greeks.

"What would we do without the Greeks" inquired a New York wholesale dealer the other day. The weather was spring-like; a couple of sunny days had opened the roses and carnations by tens of thousands. The stock came into the wholesale marts by wagon loads. The retailers' demands would make little impression on the vast accumulation; it was out of the question to use up even one-tenth of it. But the Greeks were on hand, or rather under foot, wherever you went; they fairly swarmed at the Ferry Market and in the commission establishments where heavy invoices of roses are handled. They lounged about in groups gesticulating and chattering among themselves in their unintelligible lingo, they trotted up and down the store at the heels of the salesman, bargaining and protesting; they disdainfully handled and turned over the stock, called attention to its imperfections, and jingled their money in proof of their willingness to buy the alleged rubbish at a price. "And did they get it?" Well, yes.



GYMNOGRAMME SCHIZOPHYLLA GLORIOSA.

The Greeks are a New York institution. They tried Philadelphia, but it took too long to strike a bargain with a Philadelphian. They tried Boston, but that prime necessity of a Greek's career, a surplus, has no permanent existence there, and Boston would not do; so they all came back to New York, and here they thrive.

With the exception of a very few from Cephalonia, these Greeks are all peasants from the mountain districts of Sparta. Tired of their sheep herding they come here for an easy life. There are between six and seven hundred of them engaged in flower peddling, and these look down with disdain upon their fruit peddling countrymen, whom they consider their inferiors. It is less than ten years since their first onslaught on the cut flower industry. The first comers made lots of money, and it was not long before others found it out. By their frugal living they manage to make money where an American would starve. They mix with English speaking people very little, and seldom learn the English language, although quite a few of them are married to Irish and German wives, there being not over ten Greek women all told in New York. They are very ignorant, and few of them can write or even speak their own language correctly. After a stay here of a few years they manage to accumulate what in their home amounts to an independent fortune, and then back they go to enjoy it.

The greenhorns, on their first arrival, are taken in hand by the old settlers, who get their services in exchange for board and instruction in the art of selling. The dinner provided by these worthies for their apprentices consists of something like five pounds of the cheapest kind of meat boiled two or three hours and a pound of rice added; this with bread con-

stitutes the principal meal, and is expected to feed fifteen or twenty; if there be not enough for all somewhat is added. After an apprentice has learned how to sell he is then taken into "partnership."

Quite a number of the older and more ambitious ones have opened small stores in various sections of the city, and there are several that run quite pretentious establishments, where they pay good rents and claim to do better than on the street.

When the weather is too cold or market conditions are unfavorable to their vocation the street horde has a favorite loafing place in Roosevelt street, where they lounge about and take life easy. Notwithstanding their evident laziness, in trading these Greeks are extremely shrewd. Jews are nowhere alongside of them in driving a bargain. Their peculiar dialect is understood by no one but themselves, and unless one of their number can be induced to "squeal" they can go ahead right under the dealer's nose and plan tricks and combinations of which he is to be the victim. They do not want to bother with small lots. A sweeping purchase by one individual to be divided up among the crowd afterwards is their favorite method, and a slaughter competition among the commission men is what they are constantly longing for.

And Mr. Retail Dealer, what are you going to do about it? I can tell you what Mr. Grower is going to do about it: he will build some more houses, and then the supply will be larger and the Greeks can buy still cheaper. "What would we do without the Greeks?"

Προσπερ σερνίλα σερνίλα
εὐαρί *ψίπρωλα*

W.

Gymnogramme Schizophylla gloriosa.

Gymnogramme schizophylla was introduced from the mountains of Jamaica in the year 1875, its habitat being some 5,000 feet above the level of the sea. It is one of the most graceful of the Polyodiaceæ family. The variety gloriosa, but recently introduced and still rare, is the most beautiful of all the existing forms. It is distinguished from the type by its longer, more arching and graceful fronds and its habit, which is throughout more vigorous, luxuriant and elegant. For a hanging basket, where the atmosphere is not too dry, it has few rivals. Our illustration is from a photograph of a plant grown by Mr. C. M. Atkinson, late gardener at Mr. J. L. Gardner's, Brookline, Mass.

Plant Trade in New York.

There has been a steady increase in the plant trade in New York every year, and more money is spent in this way at the present time than ever before. The character of the demand has changed greatly within a few years, the advance being very large in some lines, while in others there has been a decided falling off. In the use of decorative plants, vases, and baskets for the external adornment of hotels, club houses and prominent buildings generally, New York is far ahead of any other city in the country. Large vases of iron or cement are seen wherever there is a bit of open space in front of a building of sufficient size to hold them. These are filled in the earliest spring with pansies, daisies and hyacinths, and in summer with promiscuous plants, which are replaced in the fall with neat little retinosporas, arbor vite, etc., which keep green throughout the winter. There was a time when work of this class was a profitable item in the sum total of every florist's business, but of late years it has been left entirely to a few establishments that make a specialty of this class of work, and follow it up systematically in connection with sodding, vine pruning and general job gardening, and conducted in this way it is still a safe and remunerative business, but the majority of the floral establishments in the city proper have no facilities for such work and do not want it. Neither is the spring bedding plant trade any longer an item to the city florist. One reason for this is that it has moved away from his neighborhood. There is now no room for small yards and gardens within the limits of the closely built city, and such space is obtainable only in localities far removed from the business centers. In the suburban districts the spring trade in plants for gardens has increased enormously, but is supplied naturally by the florist whose location is contiguous, and he finds it profitable, as the bedding plants come in after Easter has cleaned out the houses, thus utilizing the vacant space. Geraniums well grown hold their own well and continue to lead in favor as bedding plants, the double General Grant holding first place. Double varieties sell much better than single, and the presence of a bunch of buds or flowers on the plant is necessary in order to command a fair price. The coleus seems to have gone out of fashion entirely. The sale of verbenas is small, compared with what it used to be, probably because they are diseased. Fuchsias have a tremendous sale; everybody wants them and they are inexpensive. As spring specialties, primroses are becoming very popular also, but the call for daisies does not seem to increase. For

general garden planting the flowering cannas now exceed in demand all other plants, and tuberous begonias have made a great advance also. The value of crotons for outdoor bedding is beginning to be recognized, and there is no doubt that these plants have a big future before them. Hardy roses and hardy herbaceous plants are appreciated more and more every year.

A factor which has had much to do with the city florist's loss of interest in the bedding plant trade is the peddler, who now monopolizes the cheaper lines of the plant business, and who by his methods and close competition has actually forced the regular stores out of it. From the point of view of the retail florist the policy of the growers in catering to the peddling trade and thus contributing to the slaughter in prices is regarded as fatal to the best interests of both retailer and grower. They submit that years ago when the grower found through the stores an outlet for all his goods, bedding plants included, prices were well maintained and there was profit for all, and encouragement to produce first-class stock, but now that the peddlers have been permitted to get control it has amounted to an almost complete overthrow of the once profitable traffic in bedding plants, for just as soon as the industry was ruined for the retailers its character quickly depreciated, and the grower has to suffer in company. In line with this argument the retailers point to the growing custom of plant selling by the dry goods stores, which they regard with great disfavor, and pronounce to be the beginning of a cheapening process that will soon work the same havoc with the fancy plant trade which the peddlers wrought in the bedding plant line. They urge that the growers of good plants of all classes for the New York trade have been doing well, and have no reason to find fault with the market which the retailers have provided for their goods in the past, and that the growers should, in justice to the retailers as well as for their own best interests, refuse in future to do any business with these department store people, who by selling plants at a few cents above cost make it impossible for the regular stores to handle the goods at a profit. They applaud the wise policy followed by the wholesale grocers and butchers in refusing to sell goods to the department stores, and predict that if some equivalent precaution is not adopted by plant growers the result will in the near future be similar to that which followed the advent of the peddler into the bedding plant trade.

Thoughtful dealers who keep a sharp lookout on the tendencies of the plant market are unanimous in the opinion that the sale of plants might be largely increased if those who prepare them for the market paid more attention to the matter of preparing them to withstand the peculiar atmospheric conditions and surroundings which they must encounter in the halls and sitting rooms of their ultimate owners. Plants must be thoroughly rooted and established in the pot before being sold, otherwise no success can be expected of them. They should be gradually hardened off, so that a change of atmosphere will have as little effect on them as possible. The less of the hot house combination of humidity and heat that enters into a plant's make up the more satisfactory it will prove as a house plant. If our plant growers would only bear this constantly in mind and act in accordance, and if only competent and truthful salesmen who could and would

give customers correct advice as to the treatment of their house plants, were employed, there is no question that the use of plants for home adornment would be increased enormously.



Carnation Notes.

Many inquiries are coming to me concerning manures for carnations, both for use now and outside during summer. This seems like going over the same ground that we have traveled many times during the past few months. Now it must be understood that I speak only from my own experience and what I have seen at other places. What serves best with me might not do well with others, and if any grower chooses to use such fertilizers as I do he must not lay the blame at my door in case his plants do not thrive. The most inquiries are concerning the best manure for manure water. I will merely state that for this purpose on all sorts of carnations I am using only night soil, which we take fresh from the vault, placing one-half peck in a bag, which is put in an oil barrel that is filled with water; this is allowed to stand until the bag with the manure rises to the surface of the water. We then apply the water to the benches, not wetting the foliage. We are not afraid of damaging the leaves, for in many instances this solution has and is bound to get on the plant, but in case any of the stems should be needed our customers might object to the odor, which will remain in a house fully thirty-six hours. I have heard many objections to the use of this manure, and the principal one is that it is too strong and will force the foliage at the expense of the flower. This may be true, but it generally follows that when plants are making an unusually strong growth we are apt to think it best to withhold the stimulant, and this is just where the trouble lies; if the application of the manure is not kept up the flowers suffer, for it takes as much or nearly as much to develop the flower as the stem. This applies more particularly to the use of liquid manures than to manure either incorporated in the soil or when used as a mulch, for when in a liquid form it is as a rule thoroughly dissolved, and the plant takes what it can as the liquid is applied, but when in the soil or in mulching the plant takes up manure as it wants it. Now I do not advise using night soil as a mulch, or to be mixed with soil that is to be used in a bench, unless it has been in a compost for several months, but for liquid manure I believe it has no equal. Several prominent growers visiting my houses lately could not understand how I got so strong a growth on Scott. This is very apparent when comparing the plants where I have used no night soil solution with those which have had it regularly since January 1st. I believe it adds greatly to the strength and color of the foliage.

Any decomposed manure can be used with safety as a mulch, and especially now, as the sun grows stronger. While the sun's rays, owing to the growth of the plant, do not strike the soil to any great extent yet the moisture is absorbed

from the soil in sustaining the plant, and all mulches tend to keep the soil in a moist condition. This is beneficial, not only in this respect but as a fertilizer; the roots from the plants will run to the surface and use the mulch as food, and where only three or four inches of soil are used it is absolutely necessary to give extra stimulant at this time. Many use sheep manure as a mulch, and with excellent results, but when compared with good cow or horse manure I do not think the extra cost makes it advisable to go very heavy into its use. I was somewhat surprised to see in a house of a prominent grower fresh stable manure being used quite heavily (one and one-half inches thick) as a mulch, but as results previously obtained had been satisfactory he felt safe in using it again. I am at present using a commercial fertilizer, the formula of which is my own, and it is certainly showing good results, as it has increased the growth of the plants and blooms very much.

Now, as to manure for outside, I prefer good well decayed manure from the stable, applied in the fall if possible, but if well decomposed it will do no harm in the spring. The more you use the better will be the results. If commercial fertilizers are used get the preparation that proves the most successful on property adjoining the land you use for your carnations and spread broadcast. After plowing harrow it in thoroughly, but never use it in the drill unless you mix it thoroughly.

CHARLES H. ALLEN.

Society of American Florists.

EXECUTIVE COMMITTEE MEETING AT PITTSBURG, PA.

The session of the executive committee of the Society of American Florists held at Pittsburg on March 12 and 13 was one of the best on record. The entire committee, with the exception of Messrs. Waldbart and Durfee, were present. A large number of suggestions were presented regarding the future policy of the society, and in the line of improving its work and extending its usefulness. Among the most important matters considered were: The policy of the society with regard to members who are in arrears as to annual dues; the obligations of the society to people in the trade whose interests may be affected by the public reports of the nomenclature committee, the matter of fire insurance for greenhouses, upon which Mr. Esler presented an interesting report, and proposed classification of risks; the advisability of withholding certain portions of the annual proceedings from general publication in the trade papers; the management of the trade exhibition, and the best methods to be adopted to secure at the sessions of the annual convention the attention and interest of the members.

Several theaters and halls were examined by the committee, and Alvin's Theater was finally selected as the best location for the convention next August. There will be room in the theater for the trade exhibition, as well as the sessions of the society. It is centrally situated, and altogether will prove an ideal location.

The program for the convention, as far as outlined, provides that the evening of the first day shall be devoted to a president's reception, and the evening of the second day to an illustrated lecture on cross fertilization of flowers by Wm. Hamilton Gibson. From a list of some twenty-five subjects which were presented to the committee for discussion, the fol-

lowing eight were selected: Latest facts as to roses; latest facts as to carnations; chrysanthemums up to date; auxiliary societies; horticultural education, practical and theoretical; how best to advance the retail flower trade; the future of orchids in the United States, and what action should the society take to broaden the floricultural spirit among the people. The first three subjects are referred to the Rose, Carnation and Chrysanthemum Societies respectively, who will be asked to appoint a representative to open discussion upon these subjects.

On recommendation of the Pittsburg and Allegheny Gardeners' and Florists' Club Mr. Geo. Oesterle was appointed superintendent of the trade exhibition, which will be conducted under the same rules and on the same general plan as at the recent conventions of the society.

It was voted, after considerable discussion, that the trade papers have full access to the proceedings, including such papers and discussions as they desire to publish.

The Western Pennsylvania Exposition Society having offered the free use of their exhibition building as headquarters for the society a vote of thanks was passed expressing the gratitude of the society for the kind compliment extended and explaining why same was not selected.

The following resolutions of thanks to the friends of the society who had lent their aid in the effort to secure a national charter were unanimously adopted:

WHEREAS, the bill granting a national charter to the Society of American Florists, after having been passed by the U. S. Senate and House of Representatives, failed to become a law because it did not receive the sanction of the President, therefore be it

Resolved, that we take this occasion to state emphatically our belief that the President's objections to the measure were not well founded. Our organization embraces within its membership men who are active workers in all branches of horticulture and its best interests could be, we strongly believe, safely left in their hands. We sincerely hope that the culmination of our hopes for a national charter is only postponed and that in the fullness of time a more auspicious turn of events will bring us what we ask and be it further

Resolved, that we tender our sincere thanks to the senators and representatives who supported the measure, more especially to those who at much personal inconvenience, but influenced by their sense of right, urged the measure on their colleagues; and we also beg leave to thank and gratefully acknowledge the invaluable services of Wm. R. Smith and other members of the S. A. F. in Washington in promoting the national charter, and be it also

Resolved, that a copy of these resolutions be sent to all our friends in Washington who assisted the passage of the measure.

The committee on final resolutions presented the following report, which was also unanimously adopted:

WHEREAS, the executive committee of the Society of American Florists in session at Pittsburg, March 12 and 13, has been most hospitably entertained by the Pittsburg and Allegheny Gardeners' and Florists' Club, making our stay one of continuous pleasure; and

WHEREAS, the city press has extended to us such courtesies as were in their power, and such treatment is most highly appreciated by the executive committee as evidence of kindly good will looking forward to the annual convention of the S. A. F. in August,

Be it Resolved, that we extend our hearty thanks to the Pittsburg and Allegheny Gardeners' and Florists' Club, individually and collectively, to Mr. A. W. Bennett, city officers and the press.

Chicago.

The market keeps at an even tenor. There is no overstock in any line, nor is there a great scarcity in any particular variety. The quality of roses as a whole is not as good as it was a few weeks ago. Here and there a little mildew has made its appearance, but is yet confined to but a small portion of the stock. The weather is certainly as fine as may be desired, the days are bright and sunny with cool and frosty nights, just the ideal conditions for producing both quantity and quality—yet the cut appears but light. At any rate the stock is pretty well cleared up every day, and for once the commission dealers find little use for their waste barrels in the middle of Lent.

Prices are easy in most lines. Gradually the figures for average quality of such varieties as Bridesmaid, Testout and Kaiserin has settled to 5 and 6, a few extra good lots up to 7. Mermets and La France, unless very fine, sell at 5. Perles 3 to 4, and Gontiers, of which few are grown, 2 to 4. Beauties are stationary, a select few still bring 40 to 50, but the medium grades go at 20 to 30. A few very fine hybrids, mostly Brunners and Gabriel Luizet, are now coming in and bring \$3 per dozen. Jacqs, in fair supply and moderate demand, bring 6 to 8. These are mostly cut from pot-grown plants.

Carnations are active as to quantity and quality; Daybreak and Tidal Wave lead the list, although of the latter there is also a large supply of poorly grown stock. The best of the fancy stock (this doesn't always mean fancy varieties) still brings \$3. Whites have settled back again to \$1.50 to \$2 for the best.

Speaking about the carnations Bouton d'Or and Puritan in last week's issue, we gave credit to A. V. Jackson, which should have been A. T. Jackson.

Violets also seem quite steady in demand, but prices have not recovered. The very best stock seldom goes above 75 cents per 100. Lady Campbell, of which variety small batches are grown at various establishments, is the best at present. Those we have seen growing are uniformly fine plants, and apparently free from disease. We see by some of the reports from Eastern cities that this variety takes well with the public. We cannot, however, say the same as regards our home demand, which certainly prefers the darker shade of Marie Louise.

Mr. Jos. Carbone, of California, is now in the city in the interest of his new violet, "California." His persuasive eloquence has evidently induced many of the local fraternity to invest a little of their surplus coin in an experiment to grow violets fourteen inches in length of stem and with flower as large as a silver dollar. Mr. Carbone is not an entire stranger to this city, having resided in its vicinity some years ago. He is certainly imbued with the true Chicago spirit which proverbially claims the earth. If this violet possess but half the virtues claimed for it it ought to create a sensation in the market next season. By the way, a bunch of about 100 of those flowers were brought to this city, which proved altogether the most expensive bunch of violets ever seen in this city, and for that matter, perhaps, anywhere else. This bunch of flowers was shipped here from California frozen in a block of trans-

parent ice and cost Mr. C. the neat little sum of very nearly \$40. So far as we could judge by these, the claim as to size of flowers and length of stem was fully substantiated.

Recent visitors: P. S. and H. S. Van Waveren, representing Segers Bros., Lisse, Holland; J. A. Evans, of Quaker City Machine Co., Richmond, Ind.

The Florists' Bowling Club has adopted a Constitution and by-laws. It provides for the organization of two or more teams to play in a tournament once a week (Thursday), a gold medal to be awarded to the team with the highest average in 20 consecutive meetings, the team earning the trophy three times becoming the sole owner thereof. The same is offered to the member making the best individual score. A leather medal, to be worn in a conspicuous position at each meeting of the club, will be awarded to the member having the lowest average. To judge by recent performance there will be quite a number of aspirants for this honor. An assessment of 5 cents for each poodle is also provided for the benefit of the club treasury. This is a wise regulation, as the experience of last meeting has proved beyond a doubt that more revenue will be provided by this means than that derived from the annual dues, which are \$2. The members who distinguished themselves in this direction shall be nameless for the time being.

The six members having the highest average in any of the teams in these tournaments shall represent the club at Pittsburg next August. Only members of the Chicago Florist Club are eligible as members in the Bowling Club.

Indianapolis.

The regular monthly meeting of the Indianapolis Florists' Club was held at the club rooms March 6. The attendance was good. Lunch and coffee was served. Members had been requested to bring some choice flowers and plants, but only a few responded.

Pres. Hartje opened the meeting with a few appropriate remarks. Henry Riemann read a very excellent paper on cyclamens, being a successful grower of them his views were listened to with interest. During the discussion Prof. Hatfield mentioned that the cyclamen was one of the few plants where the flower stem curls down and deposits the seed pods in the ground to protect them from birds and other injury. Following this a discussion was started on the effects of cold water on plants. Water at 44° would chill coleus and Impatiens Sultani. Water works water in this city was tested to be 35° during the coldest weather, while well water showed 52° temperature. A question was asked as to what effect has an unusual escape of steam on plants in a greenhouse. The answer was that no harm would follow if only for a short while; it would really be beneficial to kill red spider, etc. Some escape of steam during severe spells of hard firing would also be beneficial.

President Hartje was instructed to attend the state society's exhibition committee meeting, which was to be held at Anderson, Ind.; his expenses were ordered paid. Mr. Anthony Wiegand was indorsed as a suitable person to be appointed on the new park commission under a new law passed by the state legislature; \$25 was subscribed as a premium for the next chrysanthemum show. Mr. Robert McKeand was prevented from reading his paper on account of sickness.

The chrysanthemum show premium committee met at Anderson, Ind., March 9. E. G. Hill, J. S. Stuart, John Hartje and Robert McKeand were present. W. W. Coles and Fred Dorner telegraphed at the last moment that they could not attend. Over \$700 was again set apart for the regular premium list. No cash premiums are to be allowed for seedlings, only first-class certificates, and these only with extraordinary points of value over existing varieties. The list will be issued in a few days, and can be had from the secretary, Robert McKeand, Garfield Park, Indianapolis.

Business during February was in some respects better than ever before, receptions and funerals being plentiful. Since Lent commenced, however, things seem to have quieted down on both. Tulips and hyacinths are selling well, also daffodils, while carnations are having the biggest sale, they are in fine condition, no better flowers could be found throughout the land to compare with Daybreaks and Albertinis raised here. Hunt's "Peach-blow" fills the demand for a good rich pink.

We have been free in this city of the so-called "crape hunters," those fellows that attempt to call at houses where funerals occur and press their demands for orders. We have, however, now a firm that does this small business; it degrades our trade, when people appreciate flowers they will call soon enough.

Many bouquets were sent to the legislature on their closing day, March 11; they would also deserve a floral pillow inscribed "At Rest."

During the coldest spell of the season a lot of hardy roses sent by freight to a firm here by an Ohio house proved a total loss. With many years' experience it seems strange that such firms would ship without proper precaution or advising to have shipped by express, to avoid any possibility of loss.

Similarity in names of carnations and roses is unfortunate, but in telegrams no confusion could occur if roses are always considered to be on the list first. However, it would be best not to name both roses and carnations the same name.

The advance guard of bulb agents from Holland are appearing.

Smilax is a very scarce article at present, but experience has shown that later on it will again be plentiful and the market glutted.

Some beautiful flowers were seen at the funeral of Minister Gray; flowers sent from Mexico were all faded, nothing special was seen, except that many immortelles were used in constructing the designs, mixed with fresh flowers; the last being faded made them all look bad.

The Huntington Seed Co. report their trade opening up wonderfully, their mail as well as the wholesale trade.

At the recent great carnival great quantities of wild smilax, palm leaves and decorative plants were used; Tomlinson Hall never looked more beautiful, except of course during some of the shows.

W. B.

KEWANEE, ILL.—Wm. M. Parker succeeds T. Z. Magarrell (Illinois Floral Company) here. The place has about 5,000 feet of glass.

WINCHENDON, MASS.—James Sutherland Jr. has sold out his business to his son James B. Sutherland and H. P. Whittemore. The new firm will take possession April 1, under the title of Sutherland & Whittemore. Mr. James Sutherland Jr. contemplates erecting a range of greenhouses in Athol.

DO YOU WANT Mr. Scott's reasonable hints for the year in book form, so that you can refer readily to his suggestions for any week in the year? You will find them in this form in our trade directory and reference book for 1894. Price \$2.00.

IN THE LAND OF FLOWERS is the title of a little volume of Florida sketches by Mr. Walter N. Pike, published by Pike & Ellsworth, Jessamine, Fla. It gives a very attractive picture of southern life, and will be found specially interesting to those desirous of studying Florida vegetation.

THE ROSARIAN'S YEAR-BOOK for 1895, edited by Rev. H. H. D'Ombrain, secretary of the National Rose Society of England, is a very attractive little volume recently received by us. It is a very instructive little volume, containing a variety of rose lore from various pens, all very agreeably written. It is illustrated with a photograph of Mr. Edw. Mawley, who, with Mr. D'Ombrain, shares the honors of the secretaryship to the society of which Dean Hole is president.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—By a good gardener, married; life experience; good references. A. B., care Am. Florist.

SITUATION WANTED—By a first-class florist of all S branches, 16 years' experience single; good reference. K., care American Florist.

SITUATION WANTED—By a young man, age 18, in a greenhouse; brings best of references. H. N., 45 Highland Ave., Danbury, Conn.

SITUATION WANTED—As foreman by a well experienced grower of roses, carnations and "mums." FLORIST, care Henry Vollmer, Bowmanville, Ill.

SITUATION WANTED—In commercial or private place; 7 years' experience, age 21; references. Address E. S., 102½ W. Market St., Louisville, Ky.

SITUATION WANTED—By young man, 22, in flower or seed store; good worker; 5 years' experience retail florist. R. UMFRED, 137 N. 4th St., Phila., Pa.

SITUATION WANTED—By fern raiser and grower; well up in all branches; 11 years' experience in England and America. Address F. C., Weldon, Pa.

SITUATION WANTED—By florist German age 25, single; 11 years' experience in general greenhouse work; Chicago or vicinity preferred. C. N., 243 W. North Ave., Chicago.

SITUATION WANTED—By young man, first-class S grower; 9 years' German and 2 years' American experience; commercial or private; steady wages. W. W., care American Florist.

SITUATION WANTED—By a young man, single, as assistant in commercial place; is capable of taking charge; Massachusetts preferred; best of reference. Address K., Box 61, Nyack, N. Y.

SITUATION WANTED—As foreman; thoroughly understands the growing of roses, carnations, violets and all kinds of florists' stock. THOS. MCKENZIE, 53 Lindus St., Cleveland, Ohio.

SITUATION WANTED—By young man as improver in large commercial establishment; roses and carnations principally; 4 years' experience; age 20; state wages. IMPROVER, care American Florist.

SITUATION WANTED—By practical florist and gardener, single, age 36; able to manage greenhouses, either private or commercial; best references; cut flowers specialty. F. O., 2090 N. Ashland Ave., Chicago.

SITUATION WANTED—By young man 20 years of age, who has 5 years' experience in the greenhouse and cut flower business; can do designing and decorating, also planting. Address P., care American Florist.

SITUATION WANTED—By young man, age 22, as salesman or shipping clerk; 6 years' experience in general horticulture, with best of references; good packer for the mail trade. Address B. B., care American Florist.

SITUATION WANTED—As foreman, a practical grower of roses, carnations, violets, chrysanthemums, palms, ferns, etc.; the fore of bulbs, making up; single, 22 years' experience. Address FLORIST, 283 E. 43d St., Chicago.

SITUATION WANTED—As foreman; American, single, where rose growing is a specialty, and where only first quality roses are wanted; Pennsylvania or South preferred; struggling parties please not answer. Address FOREMAN, care American Florist.

SITUATION WANTED—By single Englishman; 24 years' experience in private and commercial places; well up in orchids, stove, greenhouse and flower, plants, fruits and vegetables, laying out grounds, floral decorations, etc.; would take entire charge of all-round place; state wages. A., 67 Broomfield St., Boston, Mass.

SITUATION WANTED—Plantman of practical experience, posted on all requisites of commercial places, general propagation, cut flowers, roses, carnations, etc. Items of the varieties, desirable specialty and novelty; exacting ability in all branches inside, outside; best references. For particulars address PLANTSMAN, care American Florist.

SITUATION WANTED—By a capable, energetic man as foreman; specialist in rose and cut flower growing; practically experienced in all leading branches of the business; German, single; open for engagement at any time desired; only first-class place wanted; best of references; when answering give particulars. Address M. S., care Am. Florist.

WANTED—Wholesale florist and nurserymen's catalogues. J. T. GOODLIVE, L. B. 1135, Roseville, O.

WANTED—Second-hand hot water heater for 9x50 house, 700 feet glass; give particulars. BOX 57, Bridgeport, Conn.

WANTED—A quick, reliable young man for the mail plant business in the west. R. R., care American Florist.

WANTED—At once, an assistant for general greenhouse work; state wages with board. Address M. L., 497 Grand River Ave., Detroit, Mich.

WANTED—Partner with \$500 in florist business in a good town in Kansas. Address H. W., care Vaughan's Seed Store, Chicago.

WANTED—A single man that has some experience in growing "mums"; state wages with board. Address COLE BROS., Peoria, Ill.

TO NURSERYMEN—WANTED—400 Hemlock, good young stock; state size and price. N. SLOCUMBE, Farmington, Conn.

WANTED—Young man who understands growing roses, carnations and "mums"; good wages for the right man. ALFRED FAHUD, Indianapolis, Ind.

WANTED—Good assistant, well up in general greenhouse work, roses especially; German, reference; state wages expected, with board; good at floral work. BOX 824, Spencer, Mass.

WANTED—A florist for small commercial place to grow carnations, "mums," violets, etc.; must be sober and industrious. L. M. COTTLE, 622 Ridgeland Ave., Oak Park, Ill.

WANTED—By an eastern firm, an experienced assistant packer, experienced in filling mail orders. Address with references and wages desired. PACKER, care American Florist.

WANTED—A first-class orchid grower; only thoroughly experienced man need apply; state wages and give references. ORCHID, care Am. Florist, Boston Office.

WANTED—Young man with some experience, as assistant in commercial greenhouse. With board. State wages. Address BRIGGS CONSERVATORIES, Taunton, Mass.

WANTED—All florists who wish to place before the state of Kentucky any of their products at our spring exhibition April 5th and 6th, kindly inform THE KENTUCKY SOCIETY OF FLORISTS, H. NANZ, Sec'y.

WANTED—At once, a sober, industrious florist, well up in general greenhouse work, roses especially; able to assist in packing; state references and wages expected with board. Address Box 15, Whitehall, Ill.

WANTED—A first-class rose grower, reference required; a permanent place and good money to the man who knows his business; no other need answer. Address E. W. BERGSTROM, Highland Park, 19 S. Molnes, Iowa.

WANTED—Foreman thoroughly understanding rose and carnation growing on large commercial place in Chicago; a successful grower from this vicinity preferred; references; wages. Address ROSES, care American Florist.

WANTED—An experienced, sober working foreman to take charge of my commercial greenhouses; must be a Protestant and know how to grow best quality of roses, carnations and "mums"; state wages required. Address R. M. WALKER Oxford, Ohio.

WANTED—A man with means enough to build the rooms, and me furnish the grounds and take ½ interest in greenhouse; no better location anywhere; none in twenty miles in any direction; in town of 2,000 inhabitants; there are several hundred dollars' worth shipped in every season. Address S. W. COX, Bement, Platt Co., Ill.

WANTED—An expert celery grower, single man, who thoroughly understands his business to go South; situation permanent and good opportunity with one of the largest truck growing firms in the United States; state salary expected and former experience and employers. Address HACKBURN & WILLETS, New Berne, N. Carolina.

WANTED—On halves immediately, married man, with special practical knowledge of mushrooms, tomatoes, hot and cold grapes, forcing and propagating flowers, especially carnations, violets, bulbs, adiantum; established six years, best trade, constantly increasing; plant direct from houses; telephone connection; plant handy, complete; free to door by rail. DR. ALFRED E. BAKER, West Chester, Pa.

SPECIAL OFFER IN BULBS.

6 at dozen rates; 25 at hundred rates; 250 at thousand rates.

per doz. per 100 per 1000

DWARF FRENCH CANNA	Madame Crozy	\$.75	\$5.00
"	Capt. P. De Suzzoni	1.00	7.50
"	Alphonse Bouvier	.85	6.00
"	Florence Vaughan	1.25	9.00
"	Paul Marquant	.75	5.00
"	Chas. Henderson	1.00	7.50
"	Paul Bruant	.85	6.00
"	yellow varieties mixed	.40	2.50
"	red and crimson varieties mixed	.40	2.50
"	salmon varieties mixed	.40	2.50
"	orange varieties mixed	.40	2.50
CALADIUM, fancy leaved		1.10	8.00
"	Eseulentum	.60	4.00
CALLA LILY, spotted		.90	7.00
GLADIOLUS, finest mixed		.20	1.25
"	superfine mixed	.25	1.50
"	white shades	.35	2.25
"	pink shades	.30	1.75
"	red and scarlet shades	.20	1.25
"	yellow shades	.35	2.25
"	striped and variegated	.30	2.00
"	Lemoine's finest mixed	.25	1.60
BEGONIAS, single tuberous rooted, finest mixed		.60	4.00
"	double	1.60	12.00
GLOXINIAS, finest mixed, selected bulbs		.70	4.50
DAHLIAS, double, separate colors, large roots		1.20	8.50
CINNAMON VINE, large roots		.40	2.50
LILICUM AURATUM, 7 to 9 inches in circumference		.60	3.50
"	9 to 11	.70	5.00
"	12 to 13	1.20	8.50
"	Spec. Album, 7 to 9	1.00	7.00
"	9 to 11	1.20	8.25
"	Rubrom, 7 to 9	.70	4.75
"	9 to 11	.85	6.00
"	12 to 15	1.25	9.00
"	Melpomene, 7 to 9	.75	5.50
HYACINTHUS CANDICANS		.30	2.00
TUBEROSES, Double Excelsior Pearl, 4 to 6 inches in circumference		.15	1.00
LILY-OF-THE-VALLEY, best 3 year old pips		.15	1.00

Wholesale Price List free on application.

JOHN GARDINER & CO., Seedsmen, 631 Market St., Philadelphia, Pa.

AZALEAS FOR EASTER.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

We can still furnish a fine lot of Azaleas in prime condition for Easter forcing. ORDER NOW while the buds are not too far advanced as they will reach you in much better condition now than later in the season. We offer beautiful specimen plants in two sizes, grand stock in every way.

CROWNS, 24 inches in diameter, \$3.00 each; \$35.00 per dozen.
CROWNS, 18 inches in diameter, \$2.50 each; \$30.00 per dozen.

A fine lot of 12 to 15 inch Crowns, well set, at \$9.00 per dozen; \$70.00 per 100.
Also a lot of small plants with crowns about 8 inches in diameter, at \$3.50 per dozen; \$25.00 per 100.

EDWARD HATCH, Auctioneer.

Plant Salesroom WILL BE AT STORE Nos. 80 to 86 Pearl Street, BOSTON, MASS. SALES WEDNESDAY AND SATURDAY at 10 A. M. THROUGHOUT THE SPRING.

☞ CATALOGUES ON APPLICATION.

DO YOU WANT a complete alphabetical list of chrysanthemums in commerce in America, with class, and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

DO YOU WANT a copy of the rulings of the express companies about rates on shipments of plants and nursery stock? You will find full information in our trade directory and reference book for 1894. Price \$2.00.

WANTED—In commercial place young man; must be experienced general pinotman, and good on designs and other floral work; also young man to take charge of lawns on private places; must be competent to do planting of beds and change grade of lawns; only honest, sober and good workers wanted who are willing and try to hold permanent place and work for fair wages. Address with references and address of former employers. ASSISTANCE. care Welch Bros., 2 Beacon St., Boston, Mass.

FOR SALE—Greenhouses and nursery, living water; choice location and rare bargain. For full particulars address AGENT, P. O. box 55, Denver, Colo.

FOR SALE OR RENT—Greenhouse, stocked 2,000 square feet glass; a good chance for a practical florist. For particulars inquire of THEO. NOEHLE, Greed Bay, Wis.

FOR SALE—Retail store in Lake View; four greenhouses attached; good locality; reason for selling death in the family. For full particulars address Mrs. H. BOETTCHER, 1647 N. Clark St.

FOR SALE OR LEASE. Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCBORN, Dubuque, Ia.

FOR SALE P. Gormley offers his florist and nursery business for sale, or would let for a term, consisting of about 5,000 feet of glass and about 2 acres of land, 500 ft. front on street, electric cars pass every 15 minutes; a chance of a lifetime; established 25 years; all in thorough condition; there is a for one to the place; good reasons for selling. Address P. GORMLEY, 20 Main St., Worcester, Mass.

FOR RENT OR SALE. Nine greenhouses, 20,000 feet of glass, steam and hot water heat; large dwelling, good stable 5 acres or more of land; full stock of young plants; good will of well established business; present owner leaves on account of ill health. The above located at Attica, Wyoming Co., New York. For further particulars address owner, F. C. STEVENS, 1415 G St., Washington, O. C.

FOR SALE. My greenhouse plant and business in Shreveport La., a city of 14,000 inhabitants; a good chance for a florist to make a fortune; can sell all the plants, roses, etc., that can be propagated; will sell on easy terms, or sell a half interest. Address L. E. CARTER, Shreveport, La.

FOR SALE. Four greenhouses 75x85, one propagating house 8x35, all heated by Hitchings, and filled with Roses, Carnations, Violets, etc.; a large supply of bedding and vegetable plants for spring trade; 16,000 rooted Carnations, roses, etc. One cold house 8x45, large Violet pit, over 100 sashes, several frames, pots, fern and gaided tools, 2 fine boxes, several wagons, 1 cow, large house, barn, sheds, chicken house etc.; 15 acres good ground, well stocked with fruit; Irving steam supplies houses by means of hot air pump; 20 miles from New York and 5 minutes walk from depot, school, churches stores and postoffice. Greenhouses all new; cause of selling having another place. Address J W, care Am. Florist.

WANTED. Rooted Cuttings or 2-inch pot plants of MT. OF SNOW, MME. SALLEROL and CLOTH OF GOLD GERANIUMS. Also 500 GLOXINIA ERECTA BULBS, blooming size. L. L. MAY & CO., St. Paul, Minn.

ORCHIDS OUR SPECIALTY. The Best and Largest Stock in the World. New & Rare Foliage & Flowering Plants. A grand selection for Store, Greenhouse and Conservatory. SANDER, St. Albans, England.

Pansy Plants. EXTRA FINE STRAIN. 75 cents per hundred; \$5.00 per thousand. ESSEX HEIGHTS FLORAL CO., BELLEVILLE, N. J.

10,000 Berberis Thunbergii, 1 1/2 to 2 ft.
20,000 " red berried, 2 to 3 1/2 ft.
15,000 " purple leaved, 2 to 3 1/2 ft.
20,000 Buckthorn, 2 to 4 ft.
30,000 California Privet, 2 to 3 ft.
10,000 Common Privet, 3 to 6 ft.
5,000 strong Multiflora and Sweet Briar roses.
Also Althea, Snowberry, Spiraea, Viburnum, Cornus, White Lilac, 3-thorned acacia, and all Evergreen Hodge plants. Priced catalogue to any address. B. M. WATSON, Old Colony Nurseries, PLYMOUTH, MASS.

Kansas City, Mo.

Our club met on the 15th inst. at the greenhouses of the Heite Floral Company, 712 East 32nd street, and notwithstanding it was a very cold, bleak night there was a very good attendance, and much to the delight of all present, our most respected president was in the chair.

It is now a fact that the Kansas City Florist Club, although newly born and still a babe, will give next autumn a chrysanthemum show; and at our last meeting a schedule of prizes was adopted. All the boys are in great hopes that much good will result therefrom. It was really amusing to see a few of the boys going around Mr. Heite's with a lamp seeing how his stock of "mums" were looking, and what novelties he had been buying. May the good energy and ambition go on among us all and when the time arrives (which soon it will) may success crown our efforts.

After our meeting adjourned Mr. E. S. Heite informed us that the ladies desired to see us, and he leading the way we were ushered into his parlor, and after being introduced to his wife and charming daughters, were by them invited into the dining room, all of us sitting down to a table laden with fruits and flowers, and a splendid repast was enjoyed by all. In fact, our meeting on the 15th is one which will long be remembered by those who were so lucky as to be there.

Business in town has been very fair—quite a number of good funeral orders. With greenhouse men the past week has been a bad one, as the sun has not shown himself all week. As a consequence flowers are scarce, especially roses, and those that do come are not up to the mark.

In town the past week were J. H. Weeks of Liberty, Mo., and J. M. Gasser of Cleveland, O., who gave us a call on his way home from the south. S. M.

Carnations, Rooted Cuttings.

Helen Keller, Sweetbrier, Jacqueminot, The Stuart, Goldfinch,

\$5.00 PER HUNDRED.

Buttercup, \$3.00 Per Hundred.

Wm. Scott, \$25.00 Per Thousand.

Daybreak, Elizabeth Reynolds

Richmond, \$200 Per Hundred. \$15.00 Per Thousand.

Portia, Tidal Wave, McGowan, J. J. Harrison, Nellie Lewis, Puritan, Golden Gate, Anna Webb, Dawn, \$1.25 per hundred, \$10.00 per thousand.

Well rooted and healthy stock. Cash with order. C. B. HUMPHREY, Rome, N. Y.

VIOLETS MY SPECIALTY

Ready for Delivery April 1st.

Runners of Marle Louise, warranted free and clear of disease. Marle Louise, \$1.00 per 1000.

SUMMER MUSHROOM (Agaricus subrufescens) the genuine spawn, easily raised by all. Price reduced: 5 lbs. \$2.00; 2 lbs. \$5.00; 10 lbs. \$30.00 with printed directions.

Cash with all orders.

FRED. BOULON, Sea Cliff, N. Y.

Prices Greatly Reduced.

CAPE COD PINK POND LILY.

For price lists, Plants and Cut Flowers address the original cultivators,

CHIPMAN BROS., SANDWICH, (Cape Cod), MASS.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

ROSES. ROSES.

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—Wm. Falconer.

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

CATALOGUES AND PRICE LIST FREE. PAINESVILLE, Lake Co., OHIO

YOUNG ROSE PLANTS

We offer the following very choice Plants out of 2 1-2 in. Pots.

	PER 100.		PER 100.
AMERICAN BEAUTIES,	\$5 00	BRIDES,	3 00
METEORS, Best Red Rose,	3 00	MERMETS,	3 00
MME. C. TESTOUT,	6 00	BRIDESMAIDS,	3 50
KAISERIN A. VICTORIA,	6 00	PERLES,	3 00
LA FRANCE,	3 00	WOOTTONS,	3 00
D. OF ALBANY,	3 00		

CARNATIONS, { DAYBREAK PER 1000 \$10.00
WM. SCOTT " 23.00
TIDAL WAVE " 10.00
SILVER SPRAY " 10.00

The above stock is very strong and healthy, and propagated from selected wood. We send out the same stock that we grow for ourselves, and it will give better satisfaction than stock which has been grown simply to sell.

REINBERG BROS.,

51 Wabash Ave. CHICAGO.



The Wonderful **NEW ROSE—CRIMSON RAMBLER**

The most remarkable ROSE introduced in many years. "300 blooms on one shoot."

"The gem among the novelties."—LONDON (Eng.) TIMES.

Circular giving full description and price, with handsome colored plate free.

ELLWANGER & HARRY, (1840—Mount Hope Nurseries—1895), Rochester, N. Y.

ROSES From 2½-in. pots, now ready to ship, in splendid condition.

AMERICAN BEAUTY, \$6 per 100.
BRIDES, and BRIDESMAID, \$3.00 per 100.

BASSETT & WASHBURN, HINSDALE, ILL.

ROSES

BEAUTIES, MERMETS, CUSINS, BELLES, TESTOUTS, NIPHETOS, PERLES, BRIDESMAIDS, BRIDES, METEOR, HOSTE, LA FRANCE, WOOTTON, WATTEVILLES AND AUGUSTA VICTORIA. Rooted Cuttings. Cash with order. Address for quotations.

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

The Rose for the Million!!

BELLE SIEBRECHT.

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

MORE TESTIMONIALS FROM PROMINENT ROSE GROWERS:

DEAR SIR:—The new Rose, "Belle Siebrecht," is a very valuable rose for winter forcing. The form is exquisite, the foliage handsome, the color charming, rich, bright, and of an entirely distinct new shade; it is also very healthy in growth and a constant and very free bloomer. Please book my order for 1,000.

Yours truly,
ROBERT CRAIG, West Philadelphia, Pa.

It affords me much pleasure to express to you my thanks for the bunch of Belle Siebrecht roses you had the kindness to send to me. After having graced the tables of the N. Y. Florist Club annual dinner two days ago I find it to be a remarkable good keeper, having kept it for three days longer without its losing any of its brilliant color, and it appears as fresh now, after be-

ing out five days, as if just cut. As seen growing at your place I shall pronounce it after a careful examination a remarkable free bloomer, healthy grower, and one that is not easily attacked by mildew, and a welcome addition to our list of forcing roses.

ERNST ASMUS, West Hoboken, N. J.

WASHINGTON, Dec. 5th, 1894.

MESSRS. SIEBRECHT & WADLEY, New Rochelle, N. Y.:
GENTLEMEN:—We have received your circular letter together with price list of your new Rose, Belle Siebrecht, which we inspected in your houses some time ago. Please book our order for 2,000 plants, to be delivered April 15th next.

Yours very truly,

STRAUSS & CO.

This rose is the result of years of patient work by one of the best rosarians in the world. It is not sent out to be "tried." We have subjected it to the most severe tests, and are now fully satisfied that it is the best florists' rose in existence. It is not a mere sport, but is of a distinctly new strain, the result of a cross between La France and Lady Mary Fitzwilliam. Its pedigree is all right. Orders booked now and will be filled in strict rotation. Strong plants ready for delivery April 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

New York Office, 409 FIFTH AVE.

NEW ROCHELLE, N. Y., U. S. A.

ROSES

FROM 2 1-2 INCH POTS.

A 1 STOCK.

Perles, Brides, Mermets, Cusin, Papa Gontier, Hoste, at \$4.00 per 1000. Bridesmaid and Meteor at \$5.00 per 100.

JOHN HENDERSON COMPANY,
Rose Growers,
FLUSHING, N. Y.

"ROSE LEAF" EXTRACT OF TOBACCO, INSECTICIDE,

Death to Aphis, Red Spider, &c.

.....WRITE FOR PAMPHLET.....

- LOUISVILLE SPIRIT CURED TOBACCO CO., -
LOUISVILLE, KY., U. S. A.

FOR SALE BY

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24th St., New York, N. Y.
R. & J. Farquhar, 16 So. Market St., Boston, Mass.
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C. A. Kuehn, 1122 Pine St., St. Louis, Mo.
Wisconsin Flower Exchange, 463 Milwaukee St.,
Milwaukee, Wis.

FINE PLANTS OF

BRIDESMAID and VICTORIA

Will be ready early in April. Also a full line of
all the best forcing roses.

CHRYSANTHEMUMS and CARNATIONS.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

2000 JACK ROSE PLANTS

on their own roots, well branched, 2½ to
3 feet high, \$10 per 100. 3 to 4 feet high,
\$15 per 100. Sample of 8 for \$1.00.

JORDAN FLORAL CO.,

706 Olive Street, ST. LOUIS, MO.

FOSTITE, A PERFECT REMEDY TO

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out.

Fostite, 25 lbs \$2.00, Bellows \$3.50, Cash with order.
Sold by all dealers and by

C. H. JOOSTEN, 3 Coenties Slip, New York.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

Philadelphia

The past week has been the quietest since the holidays, it seems as if the wretched weather experienced every day except Saturday was to blame for this, as Saturday found everybody busy and cleaned out of stock by night. Prices remain much the same, all good teas bring \$8 with a few extras at \$10 to \$12, smaller stock \$4 to \$5. Beauties \$3 to \$5 per dozen. Hybrids do not sell well, probably not more than half are sold; this is more true of Brunners than Laings and Baroness, the only other varieties in the market, for this aristocrat the growers all expect to get \$5 to \$6 per dozen or take it home. This policy may be all right, but it seems to us it would be better to lower the price a bit and give the retailer a chance; other roses have come down with the season and why not the Brunner? A house will turn out twice as many buds now as six weeks ago, and there are at least six times as many in the market, but the price asked is the same. Laings and Baroness bring \$3 to \$4 per dozen. Burton is sending in some fine specimens of these varieties. Carnations are still in good supply, but without the glut of last season at this time, \$1.50 to \$2 is the price for good stock, with \$2.50 to \$3 for selected. Double violets are plentiful but small, the best bring fifty cents. The Lady Campbell is not now as good a seller as the Marie Louise, the sun seeming to bleach the color out of it. Single violets are getting very small and will soon be done. Sweet peas are seen in limited quantities, some good, some poor, from \$1.50 to \$3 per hundred is the price.

Pennock Bros. had their window fixed up in fine style the past week. Vases of all the prominent varieties of roses with the names of each kind neatly printed and attached entirely filled the window. It was a horticultural exhibit on a small scale and attracted considerable attention.

The exhibition of cut flowers at the March meeting of the Horticultural Society was confined to carnations from Hugh Graham, who had some fine Keller, Stuart, Scott and Albertinis; some tulips from Robert Craig, and a few choice azal plants and a specimen genista from Mr. W. K. Harris. There was the best attendance since meetings have been held in the Drawing Room, and it would seem as if people cared more for milk, the subject of the evening, than for flowers. The topics for discussion are taking a wide range, and perhaps it is best, more people will be attracted to the meeting and the society will no doubt thus gain in membership. Purity of the milk supply, sources of milk, uses of milk and sterilization, were all treated by different speakers, who make these subjects their specialty. Their remarks were very much appreciated by the large audience present.

A paper on the life history of the early agricultural and horticultural societies of the world was read by the society's historian, Col. Burnet Landreth, showing the "Pala Society for the Promotion of Agriculture" organized in 1785, to have been the mother of this horticultural society organized under its auspices in 1828, and of every other agricultural and horticultural society on this continent.

The first certificate of merit issued for tomatoes was shown, and will be on exhibition for a week in H. A. Dreer's window. E. Lonsdale acted as secretary in the absence of Mr. Farson at the funeral of a relative. K.

Easter Specialties.



Harrisii and Longiflorum Lilies,
Fancy Carnations,
Mignonette,
All the Roses.

EDWARD C. HORAN,

34 W. 29th Street, New York.

NOTICE.

TO ALL WHOM IT MAY CONCERN:

J. K. ALLEN announces with pleasure that his policy of fair and square dealing with consignors and customers having brought him continuous prosperity, his business has outgrown the restricted quarters which he has occupied for the past eight years at 106 West 24th street and that he will remove about April 1st to the commodious and centrally located store,

57 WEST 28th STREET,

Where he will have unexcelled facilities for the reception and disposal of **Choice Cut Flowers.**

Growers and buyers are assured that their interests will receive most careful attention.

SHIPPING TRADE A SPECIALTY.

Price lists on application.

J. K. ALLEN,

57 West 28th Street, NEW YORK CITY.

VAN HEEMSTRA & CO.,

BULB GROWERS,

SASSENHEIM, near Haarlem, HOLLAND.

LOWEST QUOTATIONS FOR LARGE QUANTITIES.

ASK FOR PRICES.

AMERICAN ADDRESS UNTIL MAY 15TH

W. WARNAAR, 790 Broadway, Albany, N. Y.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice.

Try this set, you'll not regret
When you see the beauties blooming,
And don't forget to hasten this yet
They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents, from 2½-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georgeanna, with the finest scarlets, purples, striped and intermediate shades. Double Petunias (Droer's), 2 in., \$2.50; 3 in., \$4; 4 in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vincis (Perrywinkle) from flats, \$2; 2½-in., \$3; 3-in., very fine \$5 per hundred. Begonia Verodei semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2½ in., \$2.50; 3-in., \$3.50 per hundred. New yellow daisy, Anthemis Tricolora (single), 2½ in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats, \$2.50; 2½ in., \$3.50 per hundred. New tritium selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark, 2½ in., \$1 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2½ in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2½ and 3-in., \$4 per hundred. Calceolaria P. of Orange, Scabiosa Snowball, sweet Alyssum, tall, double and dwarf single, Algonette, Torenia fourieri, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4 in. size, \$3; 6 in. \$5 per hundred dormant roots; Eulalia plant sticks, the neatest and cheapest for all small plants, 1 to 2 feet \$1 per thousand, sample 100 post free for 35 cents. Mand. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$4 per hundred; selected dwarf French yellow bedded cannas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. A dress cash with order please.

J. C. GIBSON, WOODBURY, N. J.

Here is a Bargain in SWAINSONA.

We have reduced our former price on Rooted Cuttings of Swainsona, and can now sell them to you as cheap as any one else. Write for prices before the stock is sold.

WALTER R. CLIFFE,
Main and Johnson Streets,
GERMANTOWN, Phila., PA.

	Per 100
Hydrangea Thos. Hogg, 2½-in. pots.....	\$4.00
Pansies, from cold frame transplanted.....	.50
Roses, monthlies, 2 year, suitable for 4 and 5-inch pots.....	5.40
Roses, 2 year, suitable for 3½ and 4 inch pots, H. P. and Moss.....	6.00
Petunias, dbl. fine strain, assorted, 2½-in., strong	2.50
Chrysanthemums, splendid assortment, 1000,	\$20 2.50
Palm Washingtons, Billera, 2½-in.....	1.00
Chlorocerys Excelsa.....	4.00
Wistaria Chinense, one year, strong.....	2.50
Ceraniums, Ivy, Florens, Jeao d'Arc, Gal'ee, 3.00	
Sanseveira Zeylanica, strong.....	4.00
Lemon Verbena, strong.....	3.00
Ampelopsis Veitchii, 1½ to 3 feet, dormant, 4.00	

THOS. A. McBETH, Springfield, O.

CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.
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CHANDLEE & CHANDLEE,
Patents and Patent Causes.
ELECTRICAL AND MECHANICAL EXPERTS.
Polack Building, Atlantic Building,
YORK, PA. WASHINGTON, D.C.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

SPECIAL OFFER TO THE TRADE.

Ficus Elastica.—Magnificent plants well furnished with long leaves down to the pot. We offer two sizes. 1st size, 33 to 36 inches high, 6 inch pots, \$75 per 100. 2d size, 28 to 30 inches high, 6 inch pots, \$60 per 100.

Genista Racemosa and extra choice varieties. Well shaped specimens for Easter flowering, \$3.50, \$5 and \$7 each. Also smaller sizes of which prices will be furnished on application.

Fancy Leaved Caladiums.—FOR THIS WEEK ONLY we offer a large assortment of varieties. Dormant bulbs, \$1.50 per dozen, \$12 per 100.

Tuberose, Excelsior Pearl.—Large second, all flowering bulbs, suitable for out-door planting. In barrels containing 1500, \$5 per barrel.

Lilium Auratum Bulbs.—7 to 9 inches in circumference; 150 in a box, \$5.50 per box. Two boxes for \$10.50

HARDY PERENNIALS.

We offer of this popular and desirable class of plants one of the largest and most complete stocks in commerce, and can supply small plants or large clumps in any quantity. Our stock includes all the best strains, and the newest as well as the oldest varieties of tried and sterling merit. Those especially requiring large quantities will find it advantageous to submit their lists to us for quotations.

ORCHIDS.

To make room for the increase of growth of our Orchids, we offer FOR THE NEXT THIRTY DAYS, or until the surplus is sold, all the leading varieties at export prices. Our stock, the quality of which is unequalled in vigor of growth and desirable varieties, is one of the largest in commerce, and prices below any other market.

Florists in the principal cities report the demand for cut Orchid flowers the largest they have ever known, it being probably 100 per cent increase over previous seasons. This has stimulated the growing of Orchids for commercial cut flower trade, and at the prices at which we offer Orchids to-day they are probably the most profitable flowering plants to be grown by progressive Florists.

An examination of our stock solicited. Quotations upon application.

PITCHER & MANDA,

(INCORPORATED)

Short Hills, N. J.

BURPEE'S SEEDS ARE THE BEST

For Florists and Market Gardeners.

WARRANTED;—“Few Equal—None Better.”

Special Wholesale Price List mailed Free on application, together with “A BRIGHT BOOK ABOUT SEEDS,” novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser. ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Boston.

Trade in general at the wholesale and retail establishments maintains the degree of activity noted in last report; for the Lenten season it is surprisingly good, not spasmodically but steadily day after day. White carnations are decidedly scarce, and colored varieties none too plenty. All stock coming in, of whatever varieties, is worked off readily provided it is of acceptable quality, with the exception of lilies and callas, which show some indications of overloading. Asparagus, which was very scarce for a time, is now obtainable in splendid quality, and will probably have a larger sale for Easter decorations than ever before. Geo. Wilson has been making a record with his Brunners recently, and has an enormous crop in sight, which are of unexcelled quality. The troublesome maggot which ruined so many buds in these houses last year has not put in an appearance this season. Mr. Wilson believes that in starting the houses three weeks earlier he got ahead of the pests.

Messrs. Norton, Cotter, Edgar, Nicholson, Ewell and Fisher spent a few days in New York city and vicinity the past week, visiting a number of the most noted rose and carnation growing concerns. They never tire of telling of the princely reception and generous treatment they enjoyed at the hands of the New York brethren, and they all feel richly repaid for the time spent in inspecting those prosperous establishments.

Mr. Michael Welch, father of the Welch Bros., wholesale florists, died suddenly of heart failure at his home in Dorchester on March 17, aged 68. The funeral took place on Tuesday, 19th, and was attended by quite a number of gentlemen identified with the florist trade.

Visited Boston: Chas. Pynaert, Ghent, Belgium; W. Warnaar, representing Van Hiemstra & Co., Sassenheim, Holland, and H. J. Goemans, representing K. J. Kuyk, Hillegom, Holland.

MAMMOTH

NEW VIOLET 1895 FLORAL WONDER . . .
 THE
CALIFORNIA

Immense in Size; Stem, 12 inches long; Intensely Fragrant; Color Pure Violet Purple.

A STERLING NOVELTY.

IT HAS CAPTURED THE SAN FRANCISCO MARKET.

Last year a few thousand flowers were offered in San Francisco, and they were sold for *Ten Times the Price* of Marie Louise and Russian. Plant vigorous and absolutely free from disease. Does not fade out. Last season several hundred flowers were picked from a single plant.

For full particulars and price,

ADDRESS

COX SEED & PLANT COMPANY
 SAN FRANCISCO, CAL.
 Mention American Florist.

Rooted Cuttings.

Carnations, Mums, Lobelia, Alyssum, foliage Geraniums, Heliotrope, Cala. Pink, Tradescantia, Mam, Verbena, etc.

15c. per doz.; \$1.00 per 100.

DENVER CITY NURSERIES,

F. A. Haenselmann, Prop. Box 201, S. DENVER, COL.
 Mention American Florist.

Buy Boston Flowers,



They will keep longer and Carry farther than any other Flowers grown.

QUALITY THE FIRST CONSIDERATION.

The usual **Easter Stock** OF

Lilies, Daffodils, Valley, Roses, Carnations, Spiræa, Heath, Asparagus, Violets,

WILL BE OFFERED BY

GEO. A. SUTHERLAND,

SUCCESSOR TO WM. J. STEWART,

67 Bromfield Street, Boston, Mass.

SEND FOR QUOTATIONS.



Victoria Regia in the Water Garden.

Victoria . . Regia

Egyptian Lotus.

Water Lilies in all Colors.

Hardy Ornamental Grasses, etc., and everything pertaining to the water garden.

WM. TRICKER & CO.,

CLIFTON, N. J.



Tuberous Begonias

GRIFFIN'S STRAIN.

MEDAL AWARDED WORLD'S FAIR.

Let us figure on your needs in Tuberous Begonias (doubles especially), we can do so better than any firm in this country.

The bulbs are the finest we have ever grown.

OASIS NURSERY CO.,

THOS. GRIFFIN, Manager.

Westbury Station, Long Island, N. Y.

Water Lilies.

All the standard hardy and tender Water Lilies and Aquatics and many Water Lily Novelties never before offered. Send for illustrated catalogue and trade list.

	Per 100
Egyptian Lotus	\$25.00 to \$35.00
Nymphaea superba	50.00
" alba candidissima	40.00
" odorata	10.00
" gigantea	10.00
" flava	12.50
" zanzibarensis varieties	37.50
Typha latifolia	8.50
Water Hyacinth	5.00
" Poppy	6.50

GEO. B. MOULDER,
 Lily Park. SMITH'S GROVE, KY.

ROSES, GERANIUMS, BEGONIAS, MUMS, CARNATIONS, and

A complete general line of stock.

THE NATIONAL PLANT CO., Dayton, Ohio.

ROSE CUTTINGS.

	Well Rooted of	Per 1000
METEOR, 2 and 3 eyes, at		\$18 00
Mermets, Brides, Perles, etc., at		15 00
2 1/2-inch Teas, at		25 00
Bridesmaids, at		30 00

We are specialists for Violet blooms, cuttings and clumps—Marie Louise and Lady Campbell.

ANCHORAGE ROSE CO.,
 ANCHORAGE, KY.

Antirrhinum Majus Alba.

SOMETHING NEW FOR FLORISTS' USE.

I offer to the trade well established plants, propagated from cuttings, of this beautiful acquisition to our florists' flowers, which should be in every commercial house, wholesale or retail.

It is of the easiest culture and produces an abundance of spikes three feet or more in length.

Everyone admires it.

Wonderfully taking with the Retail Trade.

It possesses marvellous keeping qualities.

Grown on benches, ten inches apart, in rich soil; in a cool house it is wonderfully productive and exceedingly profitable. I advise growing on benches, where it is to remain next winter, though it could be grown in the field or pots and run in the benches after the chrysanthemums come out with perhaps greater profit.

Our exhibit of Antirrhinum Majus was greatly admired by the experts at the Carnation Convention in Boston.

No Retail Florist can afford to be without it.

I am booking orders for delivery this spring, April and May, at the following prices for well established plants.

Per Hundred..... \$6.00

Per Thousand..... \$40.00

2/3 or more at 1000 rate.

WILLIAM K. WOOD,

WEST NEWTON, MASS.

Get ANTIRRHINUM MAJUS ALBA,
While it is new.

Easter Lilies, Tulips, Hyacinths, Daffodils, And all Bulbous Flowers

... FOR THE

EASTER TRADE.

Orders will receive prompt and careful attention,
Address:

SCOTTWOOD GREENHOUSE,

DAVIS & MACEE, Proprs.

Scottwood Ave. & Bancroft St., TOLEDO, O.

	Per 100	Per 1000
Ohmer Bl ekberry, root cuttings in fine condition	10,000 for \$30, \$1.00	\$ 6.00
Achillea "The Pearl," strong field plants, 3.00 cuttings, well rooted 1 1/2		7.00
Coreopsis Lanceolata, field grown.....	3.00	
well rooted plants. 1 1/2		7.00
Hibiscus, Crimson Eye, 2 years, blooming alba.....	4.00	
Iris Kämpferl mixed from named sorts, including the finest, will bloom this year	5.00	
Double Tiger Lily No. 1.....	3.00	30.00
Cannas, very fine mixed from named sorts, both green and dark foliage, good roots.	2.00	18.00
Lemoine's Hybrid Gladiolus, all from named sorts, no seedlings, choice.....	1.25	9.00
Ipomoea Palmata or Mexicana, field roots 4.00		35.00
Oxalis for bedding, four distinct colors mixed, per mall.....	.25	1.00

E. Y. TEAS, Manager,

(Near Indianapolis) **IRVINGTON, IND.**

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FLOWER * BUYERS

WILL FIND AT 51 W. 28th Street,

Roses, unexcelled quality and variety.

Carnations, old and new sorts.

The Best Violets and Bulbous Stock.

Fair Prices, Considerate Treatment.

*The Best Equipped Wholesale
Establishment in the Country.*

IMMENSE STOCK FOR EASTER.

JOHN YOUNG,

51 West 28th St., New York City, Close to Sixth Ave. Elevated R. R. Station.

LONG DISTANCE TELEPHONE.

THEO. ROEHRS, Wholesale Florist.

**HYBRIDS, LILACS, ORCHIDS,
BULBOUS STOCK.**

All Staple and Fancy varieties of

CUT FLOWERS.

Special Shipping Stock received Fresh
every afternoon.

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New York.

Trade in general is fearfully dull in New York. Occasionally there comes unexpectedly a day when business picks up suddenly, and hopes are raised only to be dashed to the ground again inside of twenty-four hours. The weather has been quite wintry for several days past, and this is apparently the only barrier that prevents a complete smash-up on prices. The quality of stock coming in averages poor and the prices obtained for the small proportion of selected blooms bear not the least relation to the net results for the entire receipts. Even the Greeks are exacting and hard to suit, and wherever they can get their hands into a box of roses they tumble and pay them over in a manner that makes the dealers sick at heart. This matter of picking over and rejecting stock that is not up to exact ideal in quality is not confined to any class of buyers; it is general, and is getting to be one of the hardest problems the dealers have to encounter. It may yet have to come to iron gratings with the stock on one side and the buyers on the other side of the barrier.

American Beauty is received in first class shape from but few of the growers at present. In most cases there is no trouble about the stems, there being more wood than flower. A bud scarcely larger than a Gontier with four or five feet of heavy stem attached to it is somewhat ill-balanced. The best Beauties, however, are no match for the shapely Brunners, which are now being received at their best, and while this lasts Beauty must take a rear seat.

Siebrecht & Wadley have just sent a new species of dendrobium to Kew for identification. It made its appearance in a recent importation from the East Indies.

Henry Butler and wife have gone to Florida for a short period of recreation.

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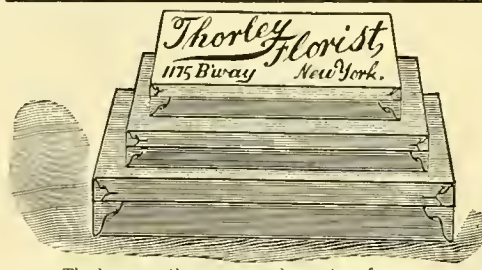
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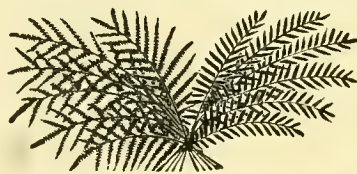
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 57 W. 30th St., NEW YORK.

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FINE ROSES
 WHOLESALE,
 51 West 28th St., NEW YORK.

THEO. ROEHR,
 WHOLESALE
FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

FRANK MILLANG,
WHOLESALE FLORIST
 408 East 34th Street,
 Cut Flower Exchange, NEW YORK.
 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS, Portland, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

VISITING BOSTON.—Aug. Rhotert, New York, representing Vilmorin & Co.

F. HOWCROFT of London will sail for America April 10 on the Majestic, his health is much improved.

THE MAIL TRADE has been so poor this season that few even of the largest houses have succeeded in building up even a fairly respectable "Kick Department."

VISITING NEW YORK: E. B. Clark and A. N. Clark, Milford, Conn.; W. Langbridge, representing Jerome B. Rice & Co., Cambridge, N. Y.; and S. E. Woodruff, Orange, Conn.

Seed and Trade Notes.

The mail trade is booming now in Philadelphia. Mr. Burpee has returned from the south and everything is smiling. Don't ask us when or where he is going next, some seedsmen are like royalty—they like to travel incognito.

The Ditch have taken Philadelphia—five of them at a time.

Mr. Pynaert van Geert of Ghent, together with his able representative, August Rhotert, are calling on eastern florists.

Mr. W. F. Grissinger, representing the well known house of Louis Van Houtte of Ghent, also spent a week in Philadelphia.

E. V. Hallock, always genial but in a hurry, was heard talking in a Philadelphia office the other day until 2 a. m. He may turn up in Paris or Mexico next week for all we know—more about him when permitted.

"The boys" went to Pittsburg last week. While there they had a good time. Mr. W. J. Stewart of Boston stopped on his way. He is also one of the boys—tho' never full of spirits as "Nix" insinuates about the others; he leaves a trail of good hum or wherever he passes.

Vandegrift & Co. of New York are out again with offers of Easter lily blooms.

There is more demand for Lathyrus sylvesteris than was expected after Mr. B.'s criticism.

Another horticultural trade paper is spoken of. Aren't there enough of them already?

The Farm is the title of another farm and garden paper, to be issued from Williamsport, Pa.

There does not seem to be anything particularly striking in Mr. Crozy's new cannas for 1895 excepting the price of "Papi Canna"—\$4 per root—mais c'est comme ça Monsieur—fools and their money, etc.

How have the mighty fallen? Paul Sigrist last year sold at \$2.50—now \$6 per 100!

Canna Mme. Janni Sallier grows 12 feet high in one season and has fine blooms.

Now, really, which is the best yellow canna? As a red Flamingo is going to be heard from.

Isn't some one booming a new forage plant? Well, if big fish are biting at the bait why not let the small fry have a nibble without throwing stones at them. But then who would have thought there were so many big fish in that little pool.

A. B.

WE BOOK NOW:
Roman and Dutch Hyacinths, Paper whites, Daffodils and other Narcissus, Tulips, Freesia, Spirea, Crocus, Lilium, —Harrisii, Candidum, Longiflorum, Auratum, Calla, Lily of the Valley, etc.

ROSES, PALMS, AZALEAS, CLEMATIS, RHODODENDRON, LAURUS TINUS, LAURUS NOBILIS, etc.

ORDER YOURS FOR FALL DELIVERY AND

TERMS AND ESTIMATES ON APPLICATION

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HILLEGOM, - HOLLAND,
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HYACINTHS, TULIPS, NARCISSUS, SPIRÆA, LILIES OF THE VALLEY, ETC.

HEADQUARTERS FOR HIGH GRADE FORCING BULBS.

Wholesale Importers should write us for Prices.

P. VOS & CO., Sassenheim, Holland,
GROWERS OF
Hyacinths, Tulips, Crocuses, Narcissus, etc.

WE ARE ABLE TO QUOTE THE LOWEST PRICES FOR WHOLESALE DEALERS.

Address all Correspondence to Myers' Hotel, Hoboken, N. J.

Special Growing of **FRENCH BULBS**

ROMAN HYACINTHS—White, Rose, Blue.
NARCISSUS—Von Slon, early; Paper White; Grandiflora totus albus.
LILIAM CANDIDUM.

FREESIA REFRACTA.
ALLIUM NEAPOLITANUM.
TRUMPET MAJOR, real.
And many others good for forcing.

Send for catalogue.

CABLE ADDRESS:
ROCHE, OLLIOULES.

A. ROCHE, Ollioules, var, France.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty.

25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

PANSIES.

25,000 plants in cold frames, of my XXX strain, \$4.50 per 1000. Cash with order.

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LISSE, Near Haarlem, HOLLAND,

GROWERS OF

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Our Specialty.

Fresh seed just arrived. New crop Sweet Peas just received.

Price List for florists free on application.

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FROM AUSTRALIA. — Araucarias, Palm Seeds, Etc.

FROM CALIFORNIA. — Bulbs, Seeds, Trees, Etc.

Orders booked up to Dec. 1 for *Cycas Revoluta* Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,
(Established 1878.) SAN FRANCISCO, CAL.
Oldest and most reliable import house.

BULBS.

Hulsebosch Bros.

ENGLEWOOD, N. J.

SELL ALL KINDS CHEAP.

SEEDS

Of all kinds, true to name and fresh.

Jos. F. Dickmann,
1110 N. Third St., and Gravois and Oregon Ave.,
Send for my New Catalogue, FREE. St. Louis, Mo.

Mention American Florist.



N. DAMES,

OF THE FIRM

G. van der Horst & Co.,

BULB GROWERS,

Heemstede, - Holland,

Is on his round trip in America. Up to April 15th all letters and communications directed to G. van der Horst & Co., care of Knaulh, Nachod & Kuhne, 13 South William Street, New York, will have prompt and careful attention. Our prices are reasonable. OUR MOTTO—Excellent stuff makes cheap prices. Up to now we have not one claim—everyone who deals with us is satisfied.

Mention American Florist.

THE BROWN BAG-FILLING MACHINE CO.,

MANUFACTURERS OF

AUTOMATIC MACHINES FOR PUTTING UP SEEDS,

FITCHBURG, MASS.

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TRY **VAN ZONNEVELD BROS. & Co.'s**

Hyacinths, Tulips,



Crocus, Daffodils,
and other Bulbs.

SASSENHEIM, HOLLAND.

They are strictly first-class and cheap.
Special quotations for Wholesale Importers.

Address all correspondence until May 1st, to our JACK WEZELEBURG, care J. W. HAMPTON, Jr. & CO.
41 BROADWAY, NEW YORK.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER,
QUEDLINBURG, GERMANY.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Worcester, Mass.

We are experiencing very good business in all branches of the trade; bulbous stuff, with the exception of Von Sions and Trumpet major, is going rather slowly, the demand for carnations is better than ever. Brides, Mermets and Perles are selling well at from \$1.50 to \$4 per dozen. Valley is in good demand, retailing at 75 cents to \$1 per dozen, and violets are popular at \$1 per hundred; other stuff is fairly plentiful and regular prices are the rule. Nice bright weather is helping us get our stuff in for Easter, and judging from the quantity of Harrisii that are being forced lilies won't be very short. The show windows are very bright just now with azaleas and pans of tulips, hvacinths and narcissus; nice little plants of azaleas readily bring \$2 and \$3, but bulbous stuff goes very much slower.

Mr. A. A. Hixon, librarian and treasurer of the Horticultural Society, was presented with a silver service on his 52d birthday by the Mignonette Club.

Prof. E. Harlow Russel of the State Normal School was the lecturer at the meeting of the Horticultural Society March 14. A. H. L.

EAU CLAIRE, Wis.—Mr. H. Bluedorn states that the report that he has sold his business is erroneous. He says he is at the old place and intends to stay.

SHARON, PA.—John Murchie has leased the greenhouses belonging to the Boyce estate where he has had charge for many years, and will engage in the florist business.

NYACK, N. Y.—W. R. Davison has secured a fine plot of ground to which he will remove and rebuild. He contemplates erecting five houses 11x135 to be devoted to violet growing exclusively.

WHENEVER you want anything pertaining to the trade, and do not find it offered in our advertising columns, write to us and we will take pleasure in assisting you to find what you want.

BULBS We expect by this week's steamer a large consignment of
BULBS Begonias, single, white, rose
BULBS pink, yellow, in separate colors..... per 100, \$5.00
Begonias, double, same, colors..... per 100, 12.00
BULBS Gloxinia crecta grandifl. mixed colors.....per 100, 7.00

HOME GROWN:
Dahlia imbricata alba, best white dwarf for summer flowering and pots, strong plants..... per doz. 2.50
Gladiolus, mixed..... per 1000, 12.00 named, from \$20 to \$45 per 1000.

Last year when over in Europe we made a special contract with one of the most reliable Dutch bulb growers and will quote special prices on application.

CHAS. SCHWAKE,
404 E. 34th St. **NEW YORK.**
Mention American Florist.

Seeds, Bulbs, Supplies,
at Wholesale only. Send for trade lists, mailed free on application with business card.
Address **August Rölker & Sons,**
136 & 138 W. 24th Street, NEW YORK.

Jno. F. Croom & Bro.,
WHOLESALE
Tuberose & Caladium Growers
MAGNOLIA, N. C.
Jobbers only please correspond with us in regard to contracts. Prices right.

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Formerly Trading under the style of C. V. Van Zanten & Co.

HILLEGOM, NEAR HAARLEM, HOLLAND.

Largest growers of **HIGH GRADE FORCING BULBS.**

More than 50 Acres in Cultivation.

HYACINTHS, TULIPS, NARCISSUS,
CROCUS, LILIUMS, AND SPIRAEAS

—OUR SPECIALTY.—

Finest Quality at Lowest Prices

Ask for our Wholesale Price List, which will be mailed free on application.

New York Address:

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WE SELL BULBS

TULIPS, all leading market sorts at from 20 to 40 per cent. lower again.

HYACINTHS, all the best varieties for forcing. Small, pure white and other colors to succeed the Romans.

DOUBLE YELLOW DAFFODILS (Van Sion) in any quantity.

NARCISSUS, Horsfieldii, Sir Watkin, Trumpet major, Albus plenus odoratus, and other sorts.

SPIRAEA compacta grandiflora, and Spiraea astilboides.

GLADIOLUS The Bride, for forcing, in any quantity, at a fair price.

White Spanish Iris, like orchids.

Lilies and other bulbs and bulbous roots for forcing and cut flowers.

Send list of what you need before ordering elsewhere

SEGERS & CO.,
BULB GROWERS,

LISSE, near Haarlem, Holland, Europe.

Registered cable address SEGERSCO, Lisse, Holland.

ESTABLISHED, 1874.

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Extra strong Roots of Clematis Crispa, \$5.00 per 100

H. STEINMITZ, RALEIGH, N. C.

California Grown...
FLOWER SEED.

Ingleside Nurseries.

F. EDWARD GRAY, Prop'r,

ALHAMBRA, CALIFORNIA.

I have yet on hand a surplus of the following Seeds, crop 1894:

SWEET PEAS, best varieties; Cosmos, Carnation, Marguerite and Remontant. Chrysanthemum, Petunia—single and double, Verbena, Mammoth and Mignonette in varieties.

All seed true to name and brimming over with vitality.

Send for prices. Order quick before stock is exhausted.

Am ready to contract for '95 growing.

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A Wedding Without It * * *

NOW A DAYS, IS OUT OF THE QUESTION.

The new crop is now ready. It is long and handsome; grown especially for fine decorative work.

ELLIOTT'S

Asparagus Plumosus Nanus

has no equal, and he has it all the year round.

The Asparagus used at the GOULD-CASTELLANE WEDDING came from this establishment.

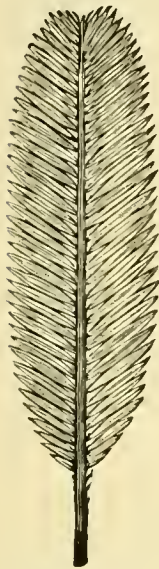
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Easter Decorations AND April Weddings

ARE BEING BOOKED NOW.

Price, \$50 per hundred strings, 8 to 12 feet long.

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OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

40c, 45c, 50c, 60c, 75c and \$1 each.

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200,000 2 year BARR'S ASPARAGUS
10,000 CURRANTS, 2 year, No. 1.
Large stock of ALL KINDS of FRUIT TREES. Full assortment of SHADE TREES and EVERGREENS, NUT TREES, OSAGE ORANGE, etc. Write for prices.

RAKESTRAW & PYLE,
WILLOWDALE, CHESTER CO. PA.

LOW PRICE STOCK. Per 100

Several hundred Dracaena Indivisa from 3 1/2-inch pots, ready for 5-inch. \$5.00
Worth double from 2 1/2-inch. 3.00
Basket plants from 2 1/4-inch pots. 2.25
Cuttings of Basket Plants, 12 var.75
Pansy plants, good stock.50
Marie Louise Violets, pot plants, 2 1/4-inch cuttings. 2.25
Lots of other good things equally cheap. 1.00

THE OAKS GREENHOUSE CO.,
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One of a Thousand

This flower looks attractive—multiply it by 1000 and you will have a good idea of a bush of

ANDORRA'S LATEST INTRODUCTION

Hypericum Mosearum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. **Fine, Strong Plants, \$7.50 per Hundred.**

Hardy Trees, Shrubs, Plants, Roses, and Fruit. (Rhododendrons a Specialty.)

Andorra Nurseries, Wm. Warner Harper, Mgr.
Chestnut Hill, Philadelphia, Pa.

Florists' Seeds, PLANTS AND BULBS

SEND FOR OUR TRADE LIST.

Sweet Pea Seed, Best Varieties

Strong Chrysanthemum Plants from FLATS; the best of 1891 Novelties and Standard Varieties, \$2.00 to \$4.00 per 100.

Fine Carnations from FLATS, \$2.00 to \$4.00 per 100.

Gladiolus, Cannas, L. Auratum and Speciosum, Caladiums, Tuberoses, &c.

BROWN & CANFIELD,
Springfield, Ill.

DO YOU WANT a list of firms in the trade that issue catalogues, with key showing proportion of space given each branch of the trade in same? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

GREAT REDUCTION.

\$60.00 Worth for \$40.00. Must be sold or transplanted. We prefer the former.

1000 Flowering Shrubs for \$40.00, choice, finely rooted, well branched, clean, thrifty stock, including

- ALTHEAS, six varieties, 2 to 3 feet.
- DEUTZIAS, six varieties, 2 1/2 to 4 feet.
- FORSYTHIAS, four varieties, 2 1/2 to 4 feet.
- HYDRANGEA PANICULATA, 2 to 3 feet.
- HONEYSUCKLE, red and white Tartarian, 1 to 2 feet.
- PHILADELPHUS (Mock Orange), 4 varieties, 2 1/2 to 4 feet.
- ELDER, Golden Leaf, 2 to 3 feet.
- SPIRÆAS, 10 varieties, 2 to 3 feet.
- SNOWBERRY, red and white, 2 to 3 feet.

Also a large stock of SHADE TREES, VINES and EVERGREENS.

Send list of wants for us to price.

THE WM. H. MOON CO.,
Morrisville, Pa.

DO YOU WANT a complete alphabetical list of carnations in commerce in America, with name of introducer, date of introduction and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

Baltimore.

It is Lent to be sure, but the sackcloth and ashes of the penitential season are not as apparent as they might be. In fact, since the beginning of a season theoretically of fasting and prayer, the good people of the four hundred seem to have taken a fresh start and made up their minds to get what pleasure can be afforded by grand opera, lectures, concerts and theatricals of their own getting up. All of which makes work for the florist, and assists him to a little brightness, at a time when, whatever the condition of others, he is usually in anything but a light or frivolous state of mind. Flowers are selling very well for Lent, and probably about as well as they would were it only plain ordinary every day business.

Violets can be bought at from 25 to 40 cents per hundred for common to choice, but prices of other things hold their own. Jonquils seem to be about the only bulbous flower in any great quantity. Some very good Dutch hyacinths were on the stands at Lexington market last Saturday, retailing at twenty cents. The weather continues bad on the whole, though now and then a break of two or three fine days almost persuades one that winter is over. The succeeding ones are either hard freezing, or snow or sleet, and out-door work is consequently at a standstill. **MACK.**

BELLEVUE, O.—James Lunn, the florist, died March 8, of paralysis, aged 60 years. He was born in England, coming to this country in 1871. He first settled in Cleveland, O., removing to this place in 1887.

Cocoanut Fibre Refuse

PER BUSHEL, \$1.00.

SWEET PEAS.

Fine Mixed, 25c per lb. Extra Mixed, 60c per lb.
 White, 50c " Blanche Ferry, 40c "
 Aster Victoria, white, trade packet, 50c Doz. \$4.00
 " Branching " " 50c " 4.00
 " Queen of Market, wht. " 20c " .75

Complete stock of seed for Florists' use.
 Trade Catalogue mailed upon application.

WM. ELLIOTT & SONS,
 54 & 56 DEY ST. NEW YORK.

GARDEN TOOLS!

We are Headquarters on all.
 HERE ARE SAMPLES OF OUR PRICES.
 Planet Jr. Tools at Wholesale Prices.

Planet Jr. Combined Drill, only \$ 7 50
 Planet Jr. Double Wheel Hoe, only 5 25
 Planet Jr. Hill Dropping Drill, only 8 00
 Planet Jr. Single Wheel Hoe, only 4 00
 Planet Jr. No. 2 Drill, only 5 50
 Planet Jr. Hill Drop and Fertilizer Drill, only 12 00

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 for hotbeds and greenhouses
VAUGHAN'S SEED STORE,
 NEW YORK 26 Barclay St. 88 State St., CHICAGO.

ASPARAGUS ROOTS.

CON. COLOSSAL, 2 yr. large and strong,
 \$2.00 per 1000.
 PALMETTO, 1 yr. \$2.00 per 1000.
 " 2 " 2.75 " 1000.

Write for prices on large lots.
ADDRESS, JOS. HARRIS CO.
 Moreton Farm P. O. Monroe Co. N. Y.

CHRYSANTHEMUMS.

We have ready for immediate delivery the following rooted cuttings.

Per 100		Per 1000	
Major Bonaffon	\$5.00	Mutual Friend	4.00
Eugene Dailledouze	4.00	Mrs J. Geo. Iis	4.00
Mrs. Jerome Jones	4.00	Miss Therese Key	4.00
The Queen	4.00	Mrs. E. G. Hill	4.00
Illuminator	3.00	Adn H. Leroy	3.00
Niveus	3.00	Erminda	3.00
Malmalson	3.00	Col. W. B. Smith	2.00
W. H. Lincoln	2.00	J. H. Taylor	2.00
Mrs. J. G. Whildin	2.00	Jos. H. White	2.00
Miss Sine T. Price	2.00	Ivory	2.00
E. G. Hill	2.00	Harry Balsley	2.00
Mrs. Geo. Bullock or Domination	2.00	Princess of Chrysanthemums	2.00

Swainsona Galegifolia Alba.

GET YOUR STOCK FROM HEADQUARTERS. Fine young plants \$6.00 per 100.

PALMS.

ARECA LUTESCENS, 3 feet high, \$12.00 per dozen. 4 feet 6 in. high, splendid specimens \$5.00 each. 6 feet high, from \$7.50 to \$10.00 each, according to the specimens. 7 to 8 feet high, grand specimens, \$15.00 to \$20.00 each.

KENTIA BELMOREANA, 3 feet high, very fine value for the money, \$3.50 to \$5.00 each, according to the condition of the specimens.

We have some pretty little specimens to 5-inch pots at \$1.00 each. These cannot fail to prove satisfactory.

CARNATIONS—Rooted Cuttings.

Per 100		Per 1000			
Lizzie Gilbert	\$10.00	\$75.00	Benton d Or	\$5.00	\$70.00
Helen Keller	5.00	40.00	Goldfinch	5.00	40.00
Sweetbrier	5.00	40.00	Jaquemot	5.00	40.00
Iago	5.00	40.00	The Stuart	5.00	40.00
Ada Byron	5.00	40.00	Annie Pixley	5.00	40.00
Uncle John	5.00	40.00	Buttercup	4.00	35.00
Wm. Scott	3.00	25.00	Mad. D. Albertini	3.00	25.00
L.H.B.	3.00	25.00	Hector	3.00	25.00
Daybreak	3.00	25.00	Nicholson	3.00	25.00
Mrs. Reynolds	3.00	25.00	Grace Battles	2.50	20.00
Lizzie McGowan	2.50	20.00	Portia	2.00	15.00
Silver Spray	2.00	15.00	White Dove	2.00	15.00

Our stock is in excellent condition. Inspection invited.

EDWIN LONSDALE,

MONEY ORDER OFFICE,
 STATION "H, Philadelphia.

Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

NEW FUCHSIA,

Little Beauty

IN BLOOM.

Special Easter offer of Strong Bushy Plants, from eight to ten inches high. Full of Buds and Bloom, from 3 1/2 inch pots, just the thing for Easter, at \$2.00 per dozen. Cash with order. See regular adv. on page 840.

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WHOLESALE FLORISTS,

ST. LOUIS, MO.

W. A. MANDA,
 MERCHANT, GROWER, IMPORTER & EXPORTER OF

FLORISTS'
Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.
 The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

CHRYSANTHEMUMS,

ROOTED CUTTINGS.

Twenty First-Class Varieties, five of each kind, for \$2.00 by mail.

Niveus, Ivory, Harvest Queen, Kate Brown, McInnes, Mrs. Robt. Craig, Tuxedo, G. F. Moseman, Empress of Japan, Old Homestead, Wana-maker, Joe H. White, Sue T. Price, White Gem, Wooten, Pres. W. R. Smith, Harry May, Lillian B. Bird, Harry Balsley.

Prices for Plants of the following prize winners given on application: Cullingfordii, H. L. Sunderbrnch, Mrs. Craig Lippincott, Domination, Queen, Maud Dean, Mutual Friend, Yellow Queen, Mrs. Chas. Lanier, Eugene Dailledouze, Major Bonaffon, Joey Hill, W. H. Lincoln, Good Gracious, Challenge, Pitcher and Manda, Minerva, Hicks Arnold, Mrs. L. C. Maderia, Kiota, Puritan.

JOHN J. ARNOLD, HOMER, N. Y.

CHRYSANTHEMUMS.

Strong 2-Inch, none better.

Ivory	per 100, \$3.00
Jessica	" 2.50
W. H. Lincoln	" 3.00
The Queen	" 3.00
V. H. Hallock	" 2.50
Gloriosum	" 3.00
A. H. Fewkes	" 6.00
Minnie Wannmsker	" 3.00

PROBST BROS. FLORAL CO.,
 1017 Broadway, Kansas City, Mo.

CHRYSANTHEMUMS.

Rooted Cuttings \$1.50 per hundred.
 E. G. Hill, V. H. Hallock, Wheeler,
 Pres. W. R. Smith, Widener, Viviani Morel,
 Mrs. J. Jones, Lincoln, Col. Smith,
 Golden Wedding, Cullingfordii, Ivory,
 Miles Wheeler.

MARSHALL & ANDERSON,

159 East River St., HYDE PARK, MASS.

EASTER CARNATION. Fine large bushy plants, filled with buds and blooms. McGowan, Silver Spray, Daybreak, Nellie Lewis and Gartiella \$12; second size \$10 per 100. Also some varieties fine for early spring blooming; mostly filled with buds now, at \$8 per 100 plants. All orders receive prompt attention.
 Address GEO. STAFFLINGER, Florist, Springfield, N. Y.

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CHRYSANTHEMUMS.



Mrs. Potter Palmer.

"MRS POTTER PALMER" (seedling of Fred S. Walz, originator of "The Queen" and "H. L. Sunderbruch").—Winner of Columbian Medal, Chicago, 1893, for best pink seedling; Certificate at Indianapolis, 1894. I claim it to be the best pink, commercially, for cut flowers, and as valuable as "The Queen." Flowers large, full to the center, outer petals reflexed to stem with incurved tips, inner petals interlace and incurve to a fine globular form; color rosy pink, reverse silver, stem stiff, growth vigorous, unexcelled keeper.

PRICE: \$5.00 per dozen; 6 at dozen rate. \$30.00 per 100; 50 at 100 rate. Ready now. Orders filled strictly in rotation.

"FRED WALZ" (Seedling of Theo. Bock).—Winner of the National Certificate of Merit, 1894. Flower incurved full to the center, making a perfect ball, medium size, clear lilac pink, reverse silver, petals boat shaped. Plants short, better grower than "Ivory" for cutflowers, market or specimen. Stem stiff, foliage dark green, close up to flower.

Stock limited. Orders filled strictly in rotation, at \$20.00 per 100; 25 at 100 rate. \$3.00 per dozen; 6 at dozen rate.

Address,

FRED S. WALZ,
Station A, Cincinnati, O.

or **THEO. BOCK,**
Hamilton, O.

Fresh Asparagus plumosus nanus Seed.

GROWN AND FOR SALE BY

RUDOLPH ASMUS, New Durham, N. J.

Per 100 Seeds, \$1.50. Per 1000 Seeds, \$10.00.

CASH WITH ORDER.



TRY **DREER'S**
GARDEN SEEDS,
Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.



Kills Mildew and Fungus Growth.
What does?
GRAPE DUST.
Sold by Seedsmen.

Always mention the American Florist when writing to advertisers.

CHRYSANTHEMUMS.

Standard Commercial Varieties
CHEAP.

Write for list.

HUNTSMAN & CO., 247 Race Street, Cincinnati, O.

Marie Louise Violets.

ROOTED RUNNERS.

Healthy, strong plants. **BETTER** can not be had anywhere.

ANDREW WASHBURN & SON,
BLOOMINGTON, ILL.

When writing to any of the advertisers on this page please mention the American Florist.

ROOTED CUTTINGS

CHRYSANTHEMUMS

All the best new market sorts, 60c per doz.; \$4 per 100. Best market sorts of previous years, 35c per doz.; \$2 per 100. Ready for delivery Feb. 1st Also SMILAX, 2 1/2-inch pots, \$2.00 per 100; \$15.00 per 1000. Address **J. G. BURROW,** Fishkill, N. Y. When writing mention the AMERICAN FLORIST

Mention the American Florist when writing to advertisers on this page.

Decorations at Washington.

The floral decoration at the Washington Assembly (which was the leading event of the season) was on a most magnificent scale. A new feature in this decoration was baskets of flowers suspended by broad ribbons the color of the leading flower. In two of the parlors were baskets filled with Beauty roses, tied with the same colored ribbons, and in the white parlor at the end of the suite, hanging before the mirror, was a basket of cattleyas, held by ribbon of the same color. In the large ball room the same idea was carried out; the background for the baskets which were filled with roses, lilacs, violets and jonquils were the mirrors, and their reflection formed a double picture. Forming a border around the lower edge of the mirrors were yellow tulips and jonquils. On the face of the gallery were three large laurel wreaths tied with bows and loops of American Beauty ribbon. Wild smilax and asparagus were used on the ceiling. The doorways were bowered with wild smilax, in which a number of electric lights glowed under varied colored globes. Supper was served on small tables, each of which had a small centerpiece. This decoration was by Small & Son.

At the last reception given by Mrs. Westinghouse the decorations were on the same lavish scale. In the drawing room Beauty roses were artistically arranged in huge bunches tied with ribbons (the same shade) to the woodwork. A solid screen of La France roses formed a background before which the hostess stood. In the tea room the table was a harmony in violets; the centerpiece was composed of valley and adiantum. The cloth was strewn with violets and valley, and the candelabras capped with violet shades.

The Gude Bros. had a large wedding decoration last Tuesday, in which several hundred white roses and almost as many cattleyas were used. The ceremony took place in a bower of palms and plants, from the center of which was suspended a bell of white carnations, roses and valley, with a clapper of violets.

REYNOLDS.

Surplus! Surplus!

- Per 100
- CARNATION Hinze's White from flats, strong \$7.00 per 1000, \$.80
 - CARNATION Souvenir de la Malmaison, red, 5,000 3.00
 - PINK Her Majesty, good plants 3.00
 - " " " rooted cuttings 1.00
 - " Laura Wilmore, good plants 2.00
 - MOUND PHLOX REPENS 2.00
 - SWEET ALYSSUM, improved, 2-inch pots 1.00
 - PETUNIA, florist's supply double white, very good 3.00
 - MYOSOTIS, Jewel blue and white dissitiflora and palustris, 25 of each 3.00
 - VIOLETS, Russian single and double 3.00
 - Schoenbron 2.00

CASH WITH ORDER PLEASE.

ALBERT KNAPPER,

FRANKFORD, Phila., Pa.



PALMS

AND OTHER

Decorative Plants

At Greatly Reduced Prices.

Stock large and in fine condition. Send for Wholesale list. Special prices on large orders. Send in list of your wants. W. J. HESSLER, Plattsmouth, Neb.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

NEW CARNATIONS.

BRIDESMAID, bright clear pink.....	Per 100	Per 1000
METEOR, deep brilliant crimson scarlet.....	\$10.00	\$75.00
STORM KING, snow white.....	10.00	75.00

READY APRIL 1ST, 1895.

UNCLE JOHN, pure white.....	5.00	40.00
THE STUART, scarlet.....	5.00	40.00
E. A. WOOD, variegated.....	5.00	40.00
GOLDFINCH, yellow-edged pink.....	5.00	40.00
WM. SCOTT, pink.....	3.00	25.00
DIAZ ALBERTINI, pink.....	3.00	25.00
DAYBREAK, pink.....	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

Certificates and Special Mention awarded to all.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late).

50c, each, \$5.00 per doz., \$35.00 per 100.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$6.00 per 100.

SEND FOR PRICE LIST.

FRED. DORNER & SON,
La Fayette, Ind.

DREER'S DOUBLE FRINGED PETUNIAS.

We can still furnish a fine lot of our superb Double Petunias, strong 3 inch pot plants, in 15 distinct fringed varieties, at \$1.00 per dozen; \$8.00 per 100; the set of 15 for \$1.25.

PETUNIA, SINGLE, (Hand Hybridized.)

DREER'S LARGE FLOWERING AND FRINGED MIXED.

Great care has been taken in selecting this large flowering strain of beautiful, mottled, striped and fringed Petunias. Trade pkt. 50 cts.; 1/8 oz. \$2.50; 1/4 oz. \$4.50.

PETUNIA, DOUBLE.

DREER'S LARGE FLOWERING AND FRINGED.

Carefully hybridized and saved from our own unrivalled collection, well known to be the finest in the country. Per 500 seeds, 75 cts.; 1000 seeds, \$1.50.

Trade pkt. Per doz.

Petunia, Dwarf Inimitable. Star Petunia, cherry red, with white center,	50	2 00
" Pure White, Single	15	50
" Striped and Blotched, Mixed.....	25	1 00
" Fine Mixed	15	50

HENRY A. DREER,

714 Chestnut St. Philadelphia.



ONION SETS

EARLIEST SPRING ONIONS

\$200.00 profit on an acre.

NEW WHITE MULTIPLIERS are the best. Samples Free. Half bushel, 16 pounds, \$1.55; per bushel, 32 pounds, \$3.50.

WE KEEP ALL KINDS OF ONION SETS.

Vaughan's Seed Store,

26 Barclay Street, 146-8 W. Washington Street, NEW YORK. CHICAGO.

DWARF CALLA,

THE GEM,

Small growing plants for mailing, 60c per doz., \$1.00 per 100.

Larger plants, \$1.00 per doz., \$7.00 per 100.

Lychnis Flos C. R. Semperflorens, the new Florists' flower; fine for cutting; per doz., 75c; per 100 \$6.00.

Geraniums Extra strong, from 3 inch pots, ready to shift into 5 inch; in best bedders, double and single, \$7.00 per 100.

Variegated Leaf Day Lily—Hardy, fine for borders. 60c per doz., \$4.00 per 100.

Chinese Matrimony Vine strong; one year; 50c per doz., \$3.00 per 100.

Pelargonium Apple Blossom—The true sort; extra for retailing, good plants, \$1.00 per doz.

Fuchsias—Very fine young growing stock, 50c per doz., \$3.00 per 100.

Above prices are plants by express; if by mail, postage must be added.

Address, ELLIS BROS.,

KEENE, N. H.

Mention American Florist.

Rooted Cuttings

VERBENAS, finest bright colors, mammoth, vigorous, strong, 70c per 100; 36.00 per 1000.

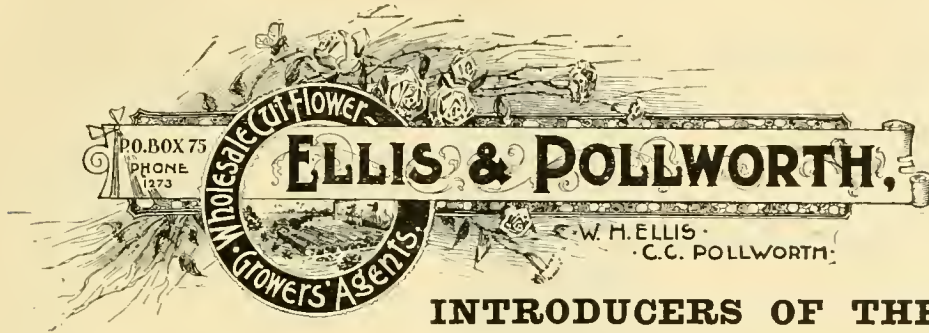
GERANIUMS, special best double and single; assorted colors labeled, \$1.00 per 100, \$11.00 per 1000.

COLEUS, 24 distinct finest, best bedders, 70c per 100, \$6.00 per 1000; strong rooted.

SEEDLING VERBENAS, Select mammoth, transplanted, fine plants 60c per 100, \$5.00 per 1000.

PLANTS, Heliotropes and Scarlet Sage new compacta, \$1.75 per 100. Gallardia Tompionia, an excellent showy perennial in constant bloom, \$2.00 per 100. Please remit cash with order.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.



**INTRODUCERS OF THE
NEW SCARLET CARNATION
Lizzie Gilbert.**

It is an early bloomer. It is a continuous bloomer. Has good length stems. Is as productive in bloom as Silver Spray. Is a good keeper and a good shipper. HAS BEEN TESTED FOUR YEARS. Is more intensely scarlet than Portia. Its flower is four times as large as Portia.

PRICE FOR ROOTED CUTTINGS: \$80.00 per 1000; \$10.00 per 100. 250 at thousand rates; 25 at hundred rates.

SEND FOR LIST OF
CARNATION CUTTINGS and YOUNG ROSE STOCK.

ELLIS & POLLWORTH,

386 Broadway, MILWAUKEE, WIS.

Box 75.
Phone 1273.

L. L. LAMBORN, Sr., Alliance, Ohio, Sole Eastern Agent for sale of LIZZIE GILBERT.

WE HAVE A SURPLUS

Of the following Stock in first-class condition.

Roses, Nemesis, Mme. C. Kuster.....	doz.	100.
Mrs. Bosanquet, White Dally.....	\$0.40	\$3.00
Souv. de Gabriel Drevet.....	"	"
Mme. Martha Du Bourg.....	"	"
Marquise de Vivens.....	"	"
Appoline, Miss Wenn.....	"	"
Archduke Charles.....	"	"
Geo. Pernet, Mignonette.....	"	"
La Princess Vera.....	"	"
Waban, Capt. Lefort.....	"	"
Maria Gulliot.....	"	"
Devoniensis, Classe de Laharthe.....	"	"
Mme. de Watteville.....	"	"
Clothilde Soupert.....	.60	4.00
Niphotos, 3 1/2 in. pots.....	.80	6.00
Canna Childish, Emil Leclair.....	.50	3.00
Peperomia Macintosa.....	.55	2.50
Clerodendron Balfourii.....	.50	3.00
Alyssum New Giant.....	.35	2.00
Coleus, 12 choice named varieties, plenty of bright colors.....	.35	2.00
Pink Her Majesty, new hardy.....	.40	2.50
Hellotrope, 10,000 Chieftain.....	.35	2.00
" Mme. de Blong, new.....	.44	2.50
" Albert Delaux.....	.35	2.00
Feverfew, Little Gem.....	.40	2.50
Manetta Bicolor.....	.35	2.50
Chrysanthemums, best standard sorts.....	.35	2.00
Fuchsias, assorted.....	.35	2.50
Geraniums, Souv. de Mirande.....	"	"
" La Favorite.....	"	"
" Nutmeg scented.....	"	"
" Lemon scented.....	.40	3.00
" Var. foliage Distinction.....	.35	2.50
" " Corinne.....	"	"
" " Magdalen.....	"	"
" " Crystal Pal. Gem.....	"	"
Mexican Primrose.....	.35	2.00
Lantanas, 5 good sorts.....	"	"
Hibiscus, best market sorts.....	.40	3.00
Salvias, 3 best scarlets.....	.35	2.00
Begonia Dewdrop.....	.50	3.00
" Vernon.....	"	"
" Sandersoni.....	"	"
" Argentea Guttata.....	"	"
" Alba Picta.....	"	"
" Sanguinea.....	"	"
" Thure-tonil.....	"	"
Abutilons 3 choice kinds.....	.35	2.00
Tritoma Uvaria, field clumps.....	.50	4.00

Cash with the Order.

Address **GEO. THOMPSON & SONS,
LOUISVILLE, KY.**

Always mention the American Florist when writing to advertisers.

W. W. COLES, KOKOMO, INDIANA,

Offers to the Trade First-Class, Healthy Stock

**ROOTED CUTTINGS OF
CHRYSANTHEMUMS, CARNATIONS,
M. LOUISE VIOLETS, ETC.**

Also **CALLA LITTLE GEM**, 2 1/4-inch pots. \$4 00 per 100.

Send for Price List before ordering elsewhere, and save money.

50,000 ROOTED RUNNERS,

Lady Campbell Violets.

WM. SWAYNE, Carnation Specialist,

P. O. Box 226.

KENNETT SQUARE, PA.

THINK OF THIS, AT YOUR DOOR POSTPAID!

- SWAINSONA ALBA, fine plants, 60c. per doz.
- ROSEA, very scarce, 20c. each.
- WHIRLWIND, new double anemone, 50c. per doz.
- ACALYPHA OBOVATA, very fine foliage, \$1 doz.
- DOUBLE HOLLYHOCKS, 5 sorts, fine, 50c. a doz.
- HARDY PINKS, 8 sorts, 40c. per doz.
- HIBISCUS, 6 sorts, fine, 50c. per doz.
- SANSEVEIRA ZEL., 60c. per doz.
- HARDY HYDRANGEA, 50c. per doz.
- THUNBERGIA GRAND, fine, gr. house cl'm'r, 10c.
- NEW SPOTTED PASSIFLORA, prettiest foliage climber, 10c. each.
- OTAHUTE ORANGE, 50c. per doz.

for prices. The above prices are for those who may want only a few of the choice things at the lowest trade prices. Write for special prices on large quantities by express.

L. TEMPLIN & SONS, Calla, Ohio.

Carnation Wm. Scott,

Rooted Cuttings, \$20.00 per 1000.
500 at thousand rate.

HARMON, BURR & CO., Darien, N. Y.

Special Bargains.

Helianthus Multiflorus	per dozen \$.75
Tritoma Uvaria	1.00
Double Rose scented prony	2.00
" Rosette	2.00
" English Buttercups	2.50
Dahlias, assorted kinds	1.50
Mountain Fleece . . . . .	.75
Lycnis Viscaria	1.00
Jacob's Ladder . . . . .	.75
Infant's Breath . . . . .	.75
White Ash Tree, 12 feet, fine	4.00
Greenhouse and bedding plants.	SEND FOR LIST.

GEORGE L. MAHONEY, SACO, ME.

SPECIAL.

- 2000 AM BEAUTIES in 2 1/2 and 3-inch, ready for 4-inch pots now.
- 2000 HELEN KELLER in 2-inch.
- 2000 METEORS in 2 1/2-inch pots.
- 10000 GERANIUMS in 3 and 4-inch.

Write for Prices.

GEO. A. KUHLE, Pekin, Ill.

Toronto.

In potting sheds, both private and commercial, signs of spring may now be seen. The signs outside don't amount to much yet, and it is necessary to exercise one's faith to a considerable extent to believe that in about a couple of months we shall be straddling and perspiring over flower beds or begging the retailer to take our roses at any price. The cut flower trade during last week has been spasmodic and generally dull; flowers are plentiful, but prices have not declined much. The plant trade is gradually improving, but the changeable weather keeps it back, Saturday being another cold day prevented anything being done on the market.

The trustees of the Fleming estate have decided to shut down their greenhouses and store on Yonge street about June next, or as soon as they can sell out the stock either by private sale or auction. The greenhouses themselves will either be sold or rented as they stand. This is the oldest establishment of the kind in Toronto, Mr. James Fleming having started it away back in the thirties, I believe, and he made lots of money out of it too, but since his death the place was rented for a year to a man who let the business down considerably, and lately it has been ably managed by Mr. J. Stevens, but as the present proprietor took very little interest in it he has been working at a disadvantage. There is a good stock of palms, ferns, orchids, bedding and miscellaneous plants.

Mr. J. HORACE McFARLAND has, without severing in any way his connection with the "Mount Pleasant Printery," at Harrisburg, Pa., become manager of the Colorotype Co., of New York, which is introducing a new process of color printing that will be specially adapted to the accurate reproduction in color of plants and flowers.

PRICE LIST
ROOTED CUTTINGS CARNATIONS, ETC.

NEW SEEDLINGS 1895.	Doz.	100.	1000.
Eldorado, yellow edged pink stock 1 yd	\$2.00		
Kitty Clover, a fragrant yellow var.	1.50	8.00	75.00
Eulalie, yellow and pink var.	1.50	8.00	75.00
Princess Bonnie, pink var	1.50	8.00	75.00
Dr. Warder, crimson	1.50	8.00	75.00
Daisy Bell, var., similar to H. Keller	1.50	8.00	75.00
Lawrence Thompson, pink	1.50	8.00	75.00
Ophelia, pink	1.50	10.00	80.00

The above varieties are all bringing the top price in the Philadelphia market.

GENERAL COLLECTION.

Sweetbrier, pink	20.75	\$5.00	\$45.00
Helen Keller, variegated	.75	5.00	45.00
Purple Gem, magenta	.40	3.00	25.00
Wm. Scott, pink	.40	3.00	25.00
Mme. Diaz Albertini, pink	.40	3.00	25.00
Buttercup, yellow variegated	.75	4.00	30.00
Stanley, terra cotta variegated	.75	4.00	30.00
Daybreak, light pink	.40	2.50	20.00
Thos. Cartledge, dark pink	.35	2.00	15.00
Brutus, red	.35	2.00	15.00
Cesar, variegated, red and white	.35	2.00	15.00
Chester Pride, variegated	.35	2.00	15.00
J. R. Freeman, maroon	.35	2.40	15.00
Purlan, white	.35	2.00	15.00
Tidal Wave, dark pink	.35	2.00	15.00
L. L. Lamborn, white	.35	2.00	15.00
E. G. Hill, scarlet	.35	2.00	15.00
Wm. F. Bruce, dark pink	.35	1.70	12.50
Nellie Bly, variegated red and white	.25	1.50	12.50
Grace Wilder, pink	.25	1.50	12.50
Lizzie McGowan, white	.25	1.50	12.50
Portia, scarlet	.25	1.50	12.50
Mrs. Fisher, white	.25	1.50	12.50
Annie Pixley, pink	.40	3.00	25.00
Lola Haetel, white fringed	.35	2.00	15.00
Hawa I, yellow variegated	.35	2.00	15.00
Angelus, pink	.35	2.00	15.00

Marie Louise Violets	20	1.00	8.00
Swanley White	20	1.00	8.00
Lady Campbell	35	2.00	15.00
Giant Double Abyssum	20	1.00	8.00
Coleus, 12 new kinds by mail		2.00	
Set of 12		.50c	
General list Coleus, by mail		1.00	
By express			6.50
Red and yellow Verschaffeltii and other yellows			8.00
Stock plants, general list		3.00	
Verschaffeltii and yellows		4.00	

W. R. SHELMIER, Avondale, Pa.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

C. J. PENNOCK,

THE PINES,

KENNETT SQUARE, PENN.

Seedlings for 1895:

KOHINOOR.

White, occasionally tinged with pink. Large full flower on strong erect stem; an early and free bloomer. Plants of clean strong growth. The best white I have ever grown.

PURPLE KING.

A bright and attractive shade of light purple; Flowers large and well formed on long stiff stems. A strong grower and very productive.

Price List of other SEEDLINGS and STANDARD VARIETIES on application. All free from rust and well rooted. Personal inspection solicited.

A Big Run on Scott, Daybreak and McGowan, Carnations—the three money-makers; strictly first-class rooted cuttings, \$3 per 100; \$25 per 1000 for Scott; \$2.50 per 100; \$20 per 1000 for Daybreak; \$2 per 100; \$15 per 1000 for McGowan. Portia, Orange Blossom, American Flag, \$1.50 per 100; \$12 per 1000 Satisfaction guaranteed.
ALEX. McBRIDE, Alplaus, N. Y.

Carnations
to Edward Wayne
of Kennett Squ.
P.A.

NEW.

OPHELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$80.00 per 1000.

STANDARD.

	100.	1000
Sweetbrier	\$5.00	\$40.00
Helen Keller	"	"
Uncle John	"	"
Stuart	"	"
Buttercup	4.00	35.00
Scott	3.00	25.00
Daybreak	2.50	20.00
Cartledge	2.00	15.00
Portia	1.50	12.50
McGowan	"	"
Fisher (from soil for Summer)	"	"

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

Carnations AND Violets.

Well Rooted Cuttings and perfectly healthy; If they are not you can ship them back and have your money returned. per 100, per 1000
LIZZIE MCGOWAN.....\$1.25 \$10.00
PORTIA.....1.25 10.00
LADY CAMPBELL VIOLETS, rooted runners.....1.25 10.00
CASH WITH ORDER.

PETER BROWN, Florist, Lancaster, Pa.

DON'T MISS

W. P. SIMMONS & CO.'S
NEW PINK CARNATION.



ROSE QUEEN

COLOR—Similar to Albertini, but much brighter and more attractive.

FLOWER—Large and full, perfectly formed and borne on long strong stems.

HABIT—Wonderfully free blooming and growing, and one equal to our best. Price, \$12.00 per 100; \$100.00 per 1000. From two inch pots.

NO ROOTED CUTTINGS.

Many other novelties and fine plants.

W. P. SIMMONS & CO.

GENEVA, OHIO.

CARNATIONS, Rooted Cuttings.

Extra strong, transplanted and from sand.
Per 100 Per 1000
Uncle John, Wm. Scott, Buttercup, \$3.00 \$25.00
Daybreak, McGowan, Silver Spray, 2.50 20.00
Portia, Tidal Wave, Mrs. Reynolds, 2.00 15.00
W. Dove 2.00 15.00

MRS. E. MILLER, Ironton, O.

"DELLA FOX."

NEW CARNATION.

Replying to many inquiries, we beg to say that we will not have sufficient number of plants of this sterling novelty to warrant us in offering it for sale before the spring of 1896.

MYERS & SAMTMAN,

PHILADELPHIA.

Wyndmoor, Chestnut Hill.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. GHITTY,**
PATERSON, N. J.

THE BEST CARNATIONS

Are the most profitable. Per 100 Per 1000

KOHINOOR—New white, large, free.	\$12.00	\$100.00
ROSE QUEEN—New, fine commercial pink	12.00	100.00
CORSAIR—The scarlet McGowan	10.00	75.00
ALASKA—New, white, large, productive	10.00	75.00
LIZZIE GILBERT—New, brilliant scarlet	10.00	80.00
WM. SCOTT—Clear pink, very free.	3.00	25.00
GOLDFINCH—The best yellow	5.00	40.00
DAYBREAK—Light pink, fine	2.00	15.00

We have also all the standard varieties. Order at once while stock is complete.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

CARNATIONS

Healthy well rooted cuttings now ready.

	Per 100	Per 1000
Wm. Scott and Mme Diaz Albertal	\$2.50	\$20.00
Daybreak and Tidal Wave	2.00	15.00
Lizzie McGowan, Wilder and Portia	1.50	10.00
Buttercup	3.50	30.00

☞ Cash with order. 10c. per 100 extra when shipped by mail.

FERNS—Choice varieties, from 2-in. pots \$3.00 per 100

PETUNIAS—Double Fringed, choice varieties, from 2½-inch pots..... 3.00 per 100

GERANIUMS—Fine Double and Single varieties, from 2½ inch pots..... 3.50 per 100

☞ Cash with order. Price list on application.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.

Good, healthy stock, well rooted, ready by January 1st, 1895.

Rooted Cuttings **GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC.** Write for price list.

E. J. CLOUD, Avondale, Chester Co., Pa.

CARNATIONS

	Per 100	Per 1000
HELEN KELLER, rooted cuttings	\$4.00	\$35.00
Out of 2½-inch pots	7.00	
Rooted cuttings of the following varieties	2.50	20.00
Daybreak, Silver Spray, Edna Craig, Lizzie McGowan, Tidal Wave and Portia.		

Also a full line of Florists Seed, all imported, at low prices. Terms Cash with order.

E. HIPPARD, Youngstown, O.

Mention American Florist.

Daybreak Carnation.



THE PINK OF PINKS.

The Acknowledged Money Maker of To-Day.

SPECIAL OFFER,

(while unsold) of Strong and Healthy

Rooted Cuttings

At Only \$2.00 per 100, \$17.50 per 1000; 250 at 1000 rate.

McGowan,
Silver Spray
Portia,



\$1.50 per 100, \$12.00 per 1000.

Our Handsome Illustrated 12 page Catalogue names 35 Other Carnations offered at lowest prices, and contains up-to-date descriptions of the novelties. Free on application.

Rooted Cuttings of Coleus, Verschaffeltii and Golden Bedder, \$1.00 per 100, \$8.00 per 1000.

Summer Bulbs:

LILIUMS,
TUBEROSES,

GLADIOLI,
CALADIUMS.

List Free.

DAN'L B. LONG, Wholesale Florist and
Growers' Agent,

BUFFALO, N. Y.

CARNATIONS.

NOW READY.

	Sand	2-inch Pots.
Helen Keller, Ada Byron	\$4.50	\$6.00
Adelaide Kresken, Jacqueminot	4.50	6.00
Buttercup, Daybreak	2.00	4.00
McGowan, Portia, Wilder	1.50	2.50

ROSES. READY FEB. 15.

Bride, Meteor	3.00
Bridesmaid, Perle	3.00

Healthy stock. Special 1000 rates.
Ferns on application—Bats, 2-inch pots, etc.

GENISTAS, 2-inch pots..... \$6.00 per 100
LADY THOMPSON STRAWBERRY PLANTS, and others on application at low rates.

EDGEWOOD GREENHOUSES,
GLENSIDE, PENNA.
Mention American Florist.

Carnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000.
GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now:	per 100	per 1000
5,000 BUTTERCUP	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN	1.50	12.00
10,000 TIDAL WAVE	1.50	12.00
15,000 DAYBREAK	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY	1.25	10.00
15,000 AURORA	1.50	12.00
50,000 well rooted runners of LADY CAMP		
BELL Violets	1.25	10.00
JOSEPH RENARD, Unionville, Chester Co., Pa.		

Rooted Cuttings of

CARNATIONS,
CHRYSANTHEMUMS,
VERBENAS, COLEUS.

Our new Catalogue of rooted cuttings, Cannas, Geraniums, Roses, etc., now ready, and will be mailed on application.

EVENDEN BROS., Williamsport, Pa.

CARNATIONS

READY NOW.

McGowan in any quantity, Mrs. Fisher, Helen Keller, Sweetbrier, The Stuart, Buttercup, Iago, Cartledge, Portia, Dorner, and 25,000 Daybreak.

Write for prices, stating how many you will want of each variety. The prices will be reasonable and cuttings well rooted and healthy.

Pansies from cold-frames, the same strain I sold in the fall, and a bargain at \$1.75 per 100; \$15.00 per 1000 (in bud and bloom).

ALBERT M. HERR,
L. B. 496, LANCASTER, PA.

Choice Stock.

Wm. Scott, \$3.00 per 100, \$25.00 per 1000
L. McGowan, 2.50 " 20.00 "

DAILLEDOUZE BROS. Florists.

P. O. Box 78, FLATBUSH, N. Y.

Wm. Scott and Goldfinch

Clean, healthy, well rooted cuttings now ready. Wm. Scott is the most productive and the most profitable pink carnation grown. Free from rust. \$3.00 per 100; \$25.00 per 1000.

Goldfinch is like Wm. Scott except in color, which is a beautiful yellow. Free from rust. \$5.00 per 100; \$40.00 per 1000.

Geo. Hancock & Son, Grand Haven, Mich.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Lilies for Easter—Carnation Cuttings.

"F. M." wants to know how to force *Harrisii* lilies for Easter. F. M. says they have been in a temperature of 45° at night all winter and now they are in a night temperature of 70° at night and 90° in day time. On the 11th of this month they were not showing bud. They were kept too cool all winter. If they had been in a night temperature of 55° to 60° for the past two months they would have been in quite a different condition. If they were not showing buds at all on the 11th of this month it will be hard work to get them in flower for Easter. However, F. M. is doing all that can be done now; any higher temperature than 70° at night would be undesirable, as many of the small buds would be liable to shrivel up.

The same subscriber asks the question: "What is the best place to plant my carnation cuttings, light or heavy soil, and do they require to be placed where they will get the full benefit of the sun all day?" Light soil by all means for several reasons; chief is they lift in the fall without losing a fibre and without a lump of earth hanging to the roots. They should be entirely exposed to the full rays of the sun every hour in the day. W. S.

Catalogues Received.

Wm. Tricker & Co., Clifton, N. J., aquatics, subtropical and other ornamental plants; Wm. Krumm & Sons, St. Joseph, Mo., trade list plants; E. E. Brown, Asheville, N. C., plants; Hoopes Bros. & Thomas, West Chester, Pa., trade list nursery stock; J. M. Lamb, Fayetteville, N. C., trees, shrubs and plants; Memphis Floral Co., Memphis, Tenn., plants; F. W. Kelsey, New York, hardy trees and shrubs; Seawanhaka Greenhouses, Oyster Bay, N. Y., plants and seeds; J. C. Vaughan, Chicago, seeds and plants.

BRONSONHURST—As you are living out in the suburbs, I wish you would tell me something about chickens. What kind of food do they like best? Howson Lott—Mine seem to prefer the flower seeds my wife plauted in the garden.—*Judge.*

CHITTY'S NEW CARNATIONS.

ALASKA, the best white; CORSAIR, the scarlet McGowan; MAGNET, beautiful magenta rose, and MINNIE COOK, superb variegated. Rooted cuttings at \$9.00 per 100. 1000 PORTIA Carnations at \$15.00 per 1000. All strong, healthy plants, free from rust or disease of any kind.

Also fine strong young plants of BRIDESMAID, at \$6.00 per hundred and \$50.00 per 1000; from 2 1/4-inch pots. TERMS CASH WITH ORDER.

Address, JOSEPH TOWELL, P. O. Box 298, PATERSON, N. J.

ROSES Strong, healthy plants from 2 1/4 and 3 inch pots, \$3, \$4 and \$6 per 100. Am. Beauty, Bride, Mermet, Niphotos, Perle, Sunset, Wootton, Meteor, Albany, La France, Testout, Victoria, M. Niel, Bridesmaid, Watteville, The Queen, Mme. P. Guillot, S. d'un Ami, &c.

VERBENAS Good assortment clean, healthy plants from 2 inch pots, \$2.50 per 100, \$20 per 1000. Rooted Cuttings, 75c. per 100, \$7 per 1000.

VIOLETS Marie Louise and Swauley White, strong plants from 2-inch pots, \$3 per 100, \$25 per 1000; no disease.

CARNATIONS Leading kinds from 2-inch pots, \$2.50 to \$5 per 100. PELARGONIUMS Victor, Fred Dorner, plants from 2 and 3-inch pots, 75c. and \$1 per doz. TERMS CASH.

JOSEPH HEINL, JACKSONVILLE, ILL.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.



FOUND AT LAST.

CARNATION CUTTINGS for ASH.

The Three Great Queen Carnations.

	PER 100.
Bride of Erlescourt, White Queen, - - - - -	fine plants out of pots, \$12.00
Lizzie Gilbert, the Scarlet Queen, - - - - -	" " " 10.00
Rose Queen, Pink Queen, - - - - -	" " " 12.00
Dean Hole, the Great Yellow, - - - - -	" " " 10.00
Alaska, White, - - - - -	" " " 10.00
Wm. Scott, The Pink Money Maker, - - - - -	very heavily rooted, out of sand, 3.00
Uncle John, E. A. Wood, Sweetbrier, - - - - -	" " " 4.00
Daybreak, Tidal Wave and E. Pierson, - - - - -	" " " 2.50
Lizzie McGowan and Portia. Mrs. Fisher, the best old whites, " " " 1.50	

A few 1000 Krysanthemums, fine, out of pots, cheap; Mrs. E. G. Hill, Dailedouze, Yellow Queen, Major Bonnaffon, Bouquet Fait, Bergman, Wanamaker, Niveus, Queen, W. H. Lincoln, Kate Brown, Whilldin, V Morel, Rudd, Ivory, Pandanus Veitchii, a fine large stock, nice plants, at 50c, 75c, \$1.00, \$1.25, \$1.50.

The Great California Violet, \$10 a hundred, \$35 for five hundred, \$70 a thousand.

I study to please all and pack every order myself. I guarantee entire satisfaction and big value for the money. CHAS. T. SIEBERT, Station B, Pittsburg, Pa.

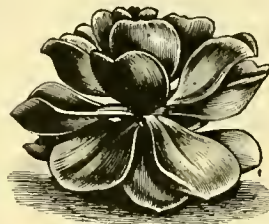
WHAT OTHERS SAY.

CHAS. T. SIEBERT:

Dear Sir—Carnations W. Scott received yesterday in fine condition, just as nice as when lifted from the sand. I am well pleased with them. They are the best rooted cuttings that I ever bought. Accept thanks for your liberal count. Yours truly,

SPRINGFIELD, O., 3-6, 1895.

GEO. A. MEAD.



25,000 CARNATIONS

Rooted Cuttings Now Ready.

	Per 100	per 1,000.		Per 100
5,000 Fisher,	\$1.50	\$12.00	2,000 Daybreak,	\$2.25
3,000 Puritan,	1.50		1,000 N. Lewis Harrison,	2.00
4,000 Wilder,	1.25	10.00	2,000 Buttercup,	3.00
1,000 McGowan,	1.50	12.00	1,000 Scotts,	3.00
2,000 Portia,	1.50	12.00	3,000 Assorted,	2.00
1,000 Aurora,	1.50	12.00		

20,000 Carnations, rooted, same varieties ready 15th to 25th of April at same price. 2,000 Echeverias, Rosa and Metallica, \$2.00 per 100.

C. E. ALLEN, BRATTLEBORO, VT.

Millbrook Lea GREENHOUSES,

West Whiteland P. O. Chester County, Pa.

SPRING TRADE 1895 PRICE LIST.

CARNATIONS, SWEET ALYSSUM, VIOLETS, FUCHSIAS, PETUNIAS, COLEUS. SWAINSONA.

J. L. MAULL, Proprietor. RICHARD JONES, Manager.

Whitford Station, P. R. R.

Send for Circular and price list.

NEW, RARE AND BEAUTIFUL PLANTS.

STROBILANTHES DYERIANUS. This is the most valuable novelty which has been introduced for years. For bedding is superior to the finest coleus. Withstands hot sun and dry weather better.

Spiraea "Anthony Waterer" flowers rich crimson. Lord Pezance's New Hybrid Sweet Briar. Felargoniums—All the finest European novelties. ORCHIDS.—A very extensive stock; East Indian, Mexican, Central and South American, etc. RARE AND BEAUTIFUL EVERGREENS, Ornamental Trees, Shrubs, etc. P. BONIENS.—A large collection of the finest in cultivation. Iris, Perennials, Phloxes, Japanese Iris, Roses, Climatis, etc. New and Standard Fruits, etc. Catalogues on application.

JOHN SAUL, WASHINGTON, D. C.

THE NEW WHITE CARNATION MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

We offer them, 2 1/4-inch pots, Per 100 Per 1000
Lizzie McGowan, rooted cuttings, \$6.00 \$50.00
Lizzie McGowan, rooted cuttings, 10.00
ROSES—Bridesmaids, 2 1/2 inch pots, 3.00 25.00
Brides, 2 1/4-inch pots, 3.00 25.00
Orders booked for Delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

CARNATION MRS. FISHER, IMPROVED.

By a careful selection of propagating stock for over four years, I have succeeded in removing the objectionable points that are hovering over this grand Carnation. It is a vigorous grower, a profuse bloomer, bears large, pure white single flowers on long, stiff stems. Is an excellent summer bloomer, and with me has always been free from disease. Am growing it exclusively, with the exception of Grace Wilder.

Rooted Cuttings of Mrs. Fisher, \$2.00 per 100. Grace Wilder, 80c. per 100. Packages by Express sent prepaid to any part of the country.

Charles Everding, Branford, Conn.

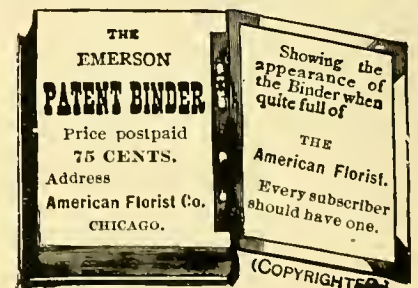
CARNATIONS ROOTED CUTTINGS.

SCOTT, KELLER, SWEETBRIER, DAYBREAK, MCGOWAN, etc.

CHRYSANTHEMUMS PHILADELPHIA, Mrs. W. H. Hurley, Dailedouze, Queen, Bonnaffon, Niveus, Pres. Smith, Mutual Friend, etc. Complete price list on application.

SAMUEL J. BUNTINC,

Elmwood Ave. & 58th St., PHILADELPHIA, PA.



NEW CARNATIONS.



NEW SEEDLING CARNATION STORM KING.

STORM KING

New Seedling.

AWARDED—American Carnation Society's Certificate of Merit at Boston; First Premium for best white at Boston; New York Florists' Club Certificate of Merit at Grand Central Palace Chrysanthemum Exhibition, November, 1893.

A grand white flower, magnificent in size, as white as the driven snow with no trace of coloring whatever. Very chaste and fragrant, and unequalled as a keeper. Brings the highest price of any white carnation in New York wholesale market. The best keeper we have ever grown.

Plant a moderate grower and good bloomer, and resembles Lizzie McGowan very much in constitution, having the same wry habit, but grows much taller and produces a longer and stronger stem; when well grown the flower attains magnificent proportions, ranging from $2\frac{3}{4}$ to $3\frac{1}{2}$ in., with stems from 16 to 20 in. long. Blooms are exceptionally fine in form and are all salable. The cuttings root as freely as Lizzie McGowan and are produced as abundantly as McGowan cuttings.

Price for Strong Selected Cuttings.
50 at \$5; 100 at \$10; 1000 at \$75.

Bridesmaid

New Pink Seedling.

A clear bright pink. The most pleasing shade yet shown. Fine, large well shaped flowers, ranging $2\frac{3}{4}$ to $3\frac{1}{2}$ inches and even more, on fine strong stems. Growth unusually healthy and strong. A moderately free bloomer. Flowers bring the highest prices on N. Y. Market. Pronounced by retail dealers the grandest pink carnation they have ever handled.

Comp. Notice by Massachusetts Horticultural Society.

Per 50 at \$5; 100 at \$10.00; 1000 at \$75.

In ordering Novelties don't forget that we have a grand stock of SCOTT, ALBERTINI, STUART, DAYBREAK, MCCOWAN, UNCLE JOHN and other standard sorts.

METEOR

New Crimson Seedling.

AWARDED—American Carnation Society's Certificate of Merit at Boston; First Premium for best Crimson at Boston; Massachusetts Horticultural Society, Comp. Notice.

A magnificent variety, of a rich brilliant crimson scarlet color, magnificent full blooms $2\frac{3}{4}$ to $3\frac{1}{2}$ in. with perfect calyces on 16 to 20 inch stems of unusual firmness and strength. The plant resembles Portia in vigor of growth and Wm. Scott in habit, but is a ranker grower than Scott. A very free bloomer. Stock is exceptionally healthy. Color holds well and is the best keeper of all the dark sorts. This is the only dark carnation that we have ever thought worth growing at the Cottage Gardens. Stock limited.

Per doz. \$2; per 50 at \$5; 100 at \$10.

We prepay all Express charges where cash is sent with order.

THE COTTAGE GARDENS, Queens, L. I., N. Y.

Pennisetum Longistylum.

This is the name of a very ornamental grass with narrow gracefully arching leaves, forming a compact densely furnished tuft 12 to 18 inches high and of the same width. The feathery inflorescence is four to six inches long, standing well above the foliage, and is exceedingly ornamental. The spikes are covered with a feathery down, purplish in color, and are produced continuously from spring until frost. They will last for months on the plants, and are also useful for drying to mix with gynecium, eulalia and other grasses for vases, etc. The plant is not hardy here in the north, but is surely one of the best to use as a border for large beds of cannas, caladiums, etc., or as a clump in the lawn. It is not a new plant for I have known it when a boy, but we seldom see it around nowadays, and like so many good old things it ought to come to the front. The clumps may be kept alive during winter either in a protected frame or in a cellar until spring, when they should be divided and started in pots or boxes so as to have them in leaf in time for planting out in the bed or border. It also may be used as a center plant for lawn vases and for verandah boxes. We have used it for that purpose for a number of years, and always with the best results, but these must be started into growth somewhat earlier in the greenhouse, so as to have shapely plants of some size with the feathery spikes showing by the end of May, the usual time for filling vases and boxes. You can start them in any corner of the greenhouse, or even along the walk, until the weather permits placing them in a prepared frame, where they will grow very fast into good sized plants.

Rochester, N. Y. J. B. KELLER.

A Slight Misconception.

"Dear Sir: Those '9-11' Harrisii bulbs weren't up to standard. Quite a number bore less than 9 flowers."

ACME PLANT FOOD.

A Special and Complete Fertilizer for all kinds of Fruits, Vines, Plants, Flowers and greenhouse use. Put up in boxes of 1, 2 1/2 and 5 lbs. each.

ACME Special Grass or Lawn Food.

Will keep a lawn green the whole year. Put up in cloth bags of 5, 20, 50 and 100 lbs. each.

ACME Garden Vegetable Food.

Put up expressly for all kinds of Vegetables in cloth bags of 5, 20, 50 and 100 lbs. each.

WANTED—Responsible Agents in every City to sell my Acme Special Fertilizers which are put up by experienced men. Send for price list. Discount to Agents.

HERMANN RÖLKER.

Manfrs. Sole Agent.

218 Fulton Street, NEW YORK.

Tobacco Stems.

FINE FRESH STEMS Free from Chemicals, \$1.50 per 100 lbs.

TOBACCO DUST,

Genuine and the best quality guaranteed. 10 lbs. for 50 cents; 100 lbs. \$4.50.

Louisville is the Tobacco Market of the World.

F. WALKER & CO. 644 Fourth Ave. LOUISVILLE, KY.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

WHAT PAYS

These dull times?

Carefully select and plant only the best will pay

YOU

BEST

CHRYSANTHEMUMS can not be dispensed with; they are too popular. Only a few short months and your customers will be asking for them, so have plenty of the

Varieties at your disposal by planting time. There is no time equal to the present for PROFIT to the buyer, as a few strong plants benched NOW will afford ample stock.

Try Md. F. BERGMAN for early white and follow with IVORY, MAR E LOUISE, MUTUAL FRIEND, and THE QUEEN. For late NIVEUS, MRS. JEROME JONES, and MRS. J. GEO. ILS.

Try MARION HENDERSON, for early yellow and YELLOW QUEEN, GEO. S. CONOVER, CLINTON CHALFANT and MAI. BONNAFFON will follow. Then GOLDEN WEDDING, A. H. FEWKES and EUGENE DAILLEDOUZE with W. H. LINCOLN for late.

Try OCTOBER BEAUTY for early pink. It sells well Oct. 1st to 10th Follow with MRS. E. G. HILL, (crown bud for early) and plenty of LADY PLAYFAIR, nearly as early and better quality. Then comes HARRY BALSLEY, ERMINILDA and MAUD DEAN.

Again, if you want other colors for EXHIBITION or NOVELTIES of the present year, let us send you a list of the most desirable. It will cost you nothing and may be

PROFITABLE.

Five each of the foregoing varieties, 115 plants, \$5.00. As white is the most salable color, we will send seven plants of each of the whites and four each of the yellow and pink, 116 plants, for \$5.00, or twice this quantity for \$9.00. In connection with

CHRYSANTHEMUMS

We are offering the best of the NOVELTIES FOR '95,

AND

The LEADING STANDARD VARIETIES IN

CARNATIONS

At reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

It's Just as Easy



To grow choice Chrysanthemums as it is to grow poor ones if you START RIGHT.

By buying strong, healthy, well established stock. Avoid rooted cuttings—poor sickly things, hardly able to stand the journey from distributor to your place. Don't for an instant imagine it's economy to save 50c or \$1.00 per 100 at the start and lose at flowering time \$5.00. Buy now! Buy quick! while stock is strong and fresh, before others get ahead of you. What you want are varieties suitable for florist use—large, solid full and double flowers, guaranteed true to name and first class in every respect.

100 Plants, your selection, 20 kinds, five of each, \$3.50. If by mail, \$4.00.

- Beau Ideal, pink
C. Chalfant, yellow
C. S. Bates, yellow
Conspicuous, bronze
E. Dailledouze, yellow
Egandale, pink
Hugh Graham, pink
J. H. Small, white
Maude Pierson, pink
Marie Louise, white
Mutual Friend, white
B. Fernandez, pink
Challenge, yellow
C. Bleck, yellow
Copper King, bronze pink
D. Shea, dark
Golden Dawn, yellow
Freedom, white
J. Benedict, yellow
Lady Playfair, pink
Major Bonnaffon, yellow
Mrs. H. T. Spaulding, white
Orange Gem, yellow
W. G. Newell, white
Roger Williams, bright red
Rob Roy, pink
T. H. Brown, early pink
G. McCann, white
Ivory, white
The Queen, white
Jessie, white
Mrs. E. G. Hill, early pink
Improved Boehmer, pink
Amber Gem, brooze
Neuva, white
A. T. Ewing, bluish
Passing Show, white
Robt. Owen, yellow
Snowflake, white
Mrs. W. J. Trotter, late white
Mme. Bergman, early white
Bronze Glant, bronze
Golden Wedding, yellow

CANNAS, Assorted, \$3.00 per 100.

BECONIAS, Tuberous Rooted, \$3.00 per 100.

T. H. SPAULDING, ORANGE, N. J.

Catalogue on application.

CALADIUMS

- 4 to 6 inch circumference . . . \$2.00 per 100
6 to 8 " " " " " 3.50 "
8 to 10 " " " " " 5.00 "
Dwarf Box, well rooted . . . 7.50 per 1000
Eulalia Zebriua and Eulalia Japouica . \$3 per 100
Clematis Crispa . . . \$4 "
Aucuba Japouica, strong plants 10 in. high \$1.50 doz.

JAMES M. LAMB,

Sunnyside Floral Nursery, FAYETTEVILLE, N. C.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

FOREIGN GRAPE VINES.

Three Sizes for Planting Craperies. Orders booked now for Fall Delivery of Fruiting Pot Vines.

GARDENIA FLORIDA, Good Healthy Stock on hand. Address, JOHN G GARDNER, Stoke-Pogis Nurseries, WEST CONSHOHOCKEN, PA.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

VAUGHAN'S GANNAS

MEDAL WINNING

Varieties controlled by us and offered now for the first time.

These novelties we consider of great value and permanent additions to the high class Cannas, they are the cream of twenty kinds chosen by M. Crozy from his entire stock of seedlings to represent his best achievements in Cannas up to 1893.

CHICAGO.—(Medal awarded). Positively the best vermilion scarlet to date; 4 feet, green foliage with leaves 9 to 10 inches wide, flower truss and stalk stands boldly erect. The large flowers open out nearly flat, petals 1½ inches wide and five in number—in this respect the **Chicago** fairly out-classes all Cannas, the fifth leaf adding much to the blossom and the flower spike. Its record at the World's Fair, on our grounds and in our greenhouses more than justifies all our claims for it. The record of our Canna Novelties of the past seasons entitles us to your confidence. The color, in the language of the judges, is a "dazzling vermilion scarlet," smooth and without markings except a purplish gloss. Price of this grand novelty only 75c. each.

MR. F. KANST, of South Park, Chicago, judge of Cannas at the World's Fair, commends it very highly.
JOHN T. TEMPLE says: "Chicago this season is an early and constant bloomer, the best new Canna to date of its color."

MADAME ALPHONSE BOUVIER.—3¾ feet, foliage medium green, flower large, well opened. The color is that of Madame Crozy, tinted with dark crimson spots like Crampbel. The yellow edge is irregularly wider with clear yellow spots on upper and lower edge of petals into the throat of the flower; a magnificent Canna, scarce. Each, \$1.25.

M. MESNIER.—(Medal awarded). 3½ feet, dark green foliage, sturdy growth, flowers large, petals wide, color salmon, slightly dotted and streaked with red, which is deepest in the center of the flower. Petals are bordered with a narrow rim of yellow which is irregularly wider on the ends, often ¼ to ½ inch wide. Each, 75c.

MIDWAY.—(Medal awarded). 4½ feet, green foliage, strong grower, color rich vermilion slightly streaked with faint crimson; petals 1¾ inches wide, compact flower spike, a strong grower and free bloomer. The crimson streaks and splashes in the petals make a splendid effect on their background of scarlet. Each, 75c.

OCTAVE MIRABEAU.—(Medal awarded). 3½ feet, green foliage, flowers large, petals wide, color a deep vermilion, painted with finely penciled lines of orange yellow and crimson. Very handsome. The back of petals the same. Price, 75c.

QUEEN CHARLOTTE, The New German Canna—Strong plants started into growth. Each, 50c.; per dozen, \$4. 50.

STANDARD CANNAS.

Splendid dormant roots wintered in soil and now starting.

	DOZ.	100
Egandale.....	\$1.25	\$8.50
Florence Vaughan.....	1.00	7.50
Alphonse Bouvier.....	1.00	7.50
J. D. Cabos.....	.85	6.00
J. C. Vaughan, best dark leaved variety in existence, flower as striking and distinct as Cabos	1.25	8.50
Paul Marquant.....	.85	6.00
Explorateur Crampbel.....	.75	5.00
Geo. W. Childs.....	1.25	8.50
Mme. Crozy.....	.75	5.00
Sec'y Stewart.....	.60	5.00
Yellow shades mixed.....	.75	4.50
Scarlet shades mixed.....	.75	4.50

Special Stock of CANNA SEED of our own saving at Western Springs.

BRONZE LEAVED SORTS.—Saved from J. D. Cabos, Egandale and J. C. Vaughan. Per oz., 50c.

YELLOW FLOWERED SORTS.—From Florence Vaughan and Capt. P. Suzzoni. Per oz., 75c.

SCARLET SORTS.—Best new kinds. Per oz., 25c.

MIXED, BEST SELECTION.—Per oz., 25c.; ¼ lb., 75c.



Canna Chicago.

CHRYSANTHEMUMS

OUR NOVELTIES FOR 1895.

MRS. WM. H. RAND.—(Certificate). A distinct variety of Japanese type, in color a remarkable rich yellow. Petals fine, long, twisted and irregularly reflexed, making it resemble a tangled mass of large gold thread. Highly commended by the judges at Chicago, and pronounced the most attractive and graceful flower at the show. 50c.

CRYSTALINA.—(Certificate). Snow white, medium sized flowers, snowball type, a grand keeper. Can be roughly handled and will not drop or bruise. Is quite distinct, good foliage and strong stem; early. 35c.

BURT EDDY.—(Special Mention). Very large pæony-shaped flowers, full and double, stem and foliage good. Color, silver rose shading to light magenta. A grand sort for exhibition and very early. 35c.

JAYNE.—(Special Mention). Dark shaded rose, high built, regularly formed incurved blooms. Very strong stem, first-class foliage, well up to flower. For exhibition and pot plants highly commended. 35c.

MRS. MOSES J. WENTWORTH.—(Special Mention). Chinese type, flowers large, full and deep, of a rich yellow color. A good keeper and shipper. Strong stem, with foliage up to flower; early. 35c.

SHAVINGS.—A curiosity. Flowers medium size and like a mass of curled mahogany shavings, dwarf and early. 25c.

VAUGHAN'S FLORIST SET OF 6 FOR \$2.00.

OTHER DESIRABLE STOCK:

CALLA.—Little Gem, 2 in. \$6.00; 2½ in. \$8.00.

CARNATIONS.—Strong plants from flats, \$4.00 per 100; Sweetbrier, Thos. Cartledge, The Stuart, Daybreak, Albertini.

ROSES.—Crimson Rambler, 2½ inch pots, fine large plants, in bud and flower, per 100, \$15.00.

HERMOSA.—2½-inch pots (dormant stock cut back), \$6.00 per 100.

H. R. ROSES.—Budded, fine, clean, 2 year old stock of all the leading varieties, at \$10.00 per 100.

PELARGONIUM.—Mme. Vibert, (new) strong plants, 3 inch; will flower this spring, per doz., \$2.50.

PELARGONIUM.—Mrs. Robt. Sandiford, 3 inch, per doz. \$2.25.

STROBILANTHES DYERIANUS.—Strong plants from 2½ inch, per doz. \$2.00; \$15.00 per 100.

Large stocks of Bedding Plants of all kinds: Palms, Araucarias, Dracænas, Rubbers, Ferns, Pandanus, etc.

WRITE FOR OUR BOOK FOR FLORISTS.

NEW YORK:
26 Barclay Street.

VAUGHAN'S SEED STORE,

CHICAGO:
P. O. Box 688.



A CHINA ASTOR.—Life.

Crawfish and Aquatics.

Are crawfish injurious to water lilies?
Chicago. J. J.

I have had very little experience with crawfish. We have them here in our ponds and have never noticed anything injured by them, but we have not had them in the Victoria pond. I have never had them in artificial ponds or tanks, but I believe they are discriminated by aquarium culturists. Wm. Tricker, Clifton, N. J.

From observations made some years ago, should say that this crustacean was not a vegetarian; and in the sections of the country where found aquatic plant life would be so vigorous that it would not injure it to any great extent. Malden, Mass. BENJ. GREY.

Plant Notes.

Novelties are scarce, even in Europe. In its issue of March 1 *L'Horticulture Belge* published a colored plate of *Manetia bicolor*, of which a plate was sent out from Ghent in 1846. *L'illustration Horticole* of February 28 illustrated *Methonica superba*, which has been figured in colors several times and many years ago.

A very good plate of *Saintpaulia ionantha* appears in *The Garden* (London), but is not the statement that the flowers of this beautiful little plant are 3 inches across a mistake? A. B.

"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots, \$8.00 per 100.

CHRYSANTHEMUM

GEO. S. CONOVER, the best EARLY BLOOMING, large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$8.00 per 1000.

HYDRANGEAS, GENISTA CANARIENSIS and AZALEAS for Easter blooming. Prices on application.

WRITE FOR OUR CATALOGUE.

VICK & HILL, Rochester, N. Y.
Mention American Florist.

The Two Best Ipomœas.

IPOMœA PANDURATA and IPOMœA MEXICANA or PANICULATA. . . .

Largest stock. Write for prices to

JAMES FROST,

Darke Co. GREENVILLE, OHIO.
When writing mention the AMERICAN FLORIST.

Specialties for Florists.

ROSES.

NEW ROSE, Mrs. J. Sherman Crawford.
This lovely new hybrid is one of the few large flowering Roses that bloom constantly and are perfectly hardy. It will be of exceptional value to Florists, because it will be a splendid forcing Rose for cut flowers, as well as for pot plants for spring sales. With us, it is much better than Mrs. John Laing, and from plants grown side by side the flowers were larger and finer. Color deep rosy-pink; the outer petals tinted with pale flesh. Plants from 3 inch pots \$4.00 per doz.; \$25.00 per 100. Plants from 2½ inch pots \$2.50 per doz.; \$15.00 per 100.

YOUNG HYBRID ROSES from hard wooded cuttings.
This stock planted out will give better results than soft wooded plants.

MARGARET DICKSON.
This magnificent new white hybrid perpetual Rose is unquestionably the greatest acquisition made in Roses for the past ten years. No other Rose has ever received so many certificates of merit in a single year. The color is white with pale flesh center, petals very large, shell shape, and of immense substance, \$1.00 per doz.; \$8.00 per 100.

RODOCANACHI.
A new hybrid of great promise. Color soft, transparent pink, shaded with carmine; immense flowers, very full. We believe this variety is the coming hybrid for florists. It sells better than Brunner, and is especially brilliant at night. We have the largest stock in this country, and offer it at \$7.00 per 100; \$60.00 per 1000.

MAGNA CHARTA.
A splendid Rose for Easter forcing; of fine form and sweet, color clear rosy-red, beautifully flushed with violet-crimson. \$5.00 per 100; \$40.00 per 1000. General list of hybrids \$5.00 and \$6.00 per 100 according to variety.

ULRICH BRUNNER.
A magnificent Rose; color rich glowing, crimson. \$5.00 per 100; \$40.00 per 1000.

ROSES FOR FORCING.
All the standard varieties in 2½ inch pots; prices on application. We have 20,000 young American Beauties that will be ready to ship the first week in April, from 2½ inch pots. Price \$6.00 per 100; price per 1000 on application.

STANDARD BEDDING ROSES.
50 cents per doz.; \$4.00 per 100.

CHRYSANTHEMUMS.

Four splendid varieties, 75 cents per doz.; \$6.00 per 100.

EUGENE DAILLEDOUZE. GOLDEN WEDDING.
MRS. E. G. HILL. GEO. W. CHILDS.
Standard Chrysanthemums, 40 cents per doz.; \$3.00 per 100.

TWO NEW AND RARE FUCHSIAS.

WASHINGTON.
Introduced by Lemoine, of France. It shows a rare new color among Fuchsias. Tube and sepals are soft, rich carmine, while the corolla is a true rose-mauve, an exquisite combination. \$1.00 per doz.; \$7.00 per 100.

FUCHSIA, TRI-COLOR.
An old variety, but good. The tube is deep coral-red, shading down to white-tipped sepals; the large single corolla is a delicate bluish-purple. \$1.00 per doz.; \$7.00 per 100.

BEGONIA ERFORDIA.
A sterling novelty for Florists. Begonia Erfordia has all the good qualities of the famous bedders, Vernon and Dewdrop, and is a novelty we can strongly recommend. It will stand the strong sun in summer and is one mass of bloom from June until frost. It is also a very showy pot plant for spring sales. Habit of growth strong and compact; color deep rosy-pink. We have a splendid stock and offer it at an exceptionally low price, 50 cents per doz.; \$4.00 per 100.

NEW BEGONIA, PERFECT BOUQUET.
A charming little plant, entirely novel, and unique and dainty in every way. The habit is neat, dwarf, compact and bushy—truly a perfect bouquet. In constitution and habit the plant is an improved Dewdrop, growing as well in any situation and thriving with as little care. 75 cents per doz.; \$6.00 per 100.

CARNATION, LIZZIE MCGOWAN.
Rooted Cuttings, \$8.00 per 1,000.

THE BEST CANNAS.

We do not offer a long list of Cannas, but our four varieties are the best standard sorts, and as we grow them in quantity we can sell at a low price. We have both dormant and started roots. Florists desiring the best stock to sell in five inch pots in April and May should purchase our started roots. They are now from six to ten inches high.

ALPHONSE BOUVIER. MADAME CROZY.
CHARLES HENDERSON. PAUL MARQUANT.
Prices, dormant roots, \$4.00 per 100; \$35.00 per 1,000
" started roots, \$6.00 per 100; \$50.00 per 1,000
Order early, as the above prices only last while our stock is unsold. Address,

ROBERT SCOTT & SON,
19th & Catherine Sts., Philadelphia, Pa.

New and Rare Plants.

	Price per doz.	Price per 100
New Chrysanthemum. PHILADELPHIA	50c	\$6 00 \$35 00
New Pink Carnation. ROSE QUEEN; plants from 4-inch pots	2 00	12 00
New Carnations. UNCLE JOHN, large white; the Stuart large scarlet 2½-inch pots		1 00 5 00
Sweetbrier, pink. SAMBO; crimson		1 00 5 00
Monthly Carnations. SOUVENIR DE MALIBON; large bush		2 00
Souvenir de Malibon (Mrs. Wirtroque) large red		1 00 6 00
New Abutilon. SOUVENIR DE BONN; foliage large and handsomely margined white; flowers large; orange		1 00
New Chrysanthemum. ETOILE D'OR; single yellow Daisy; 3-inch pots		1 00 6 00
New Clematis. MAD. BARON VELLARD		1 50 10 00
This variety may be considered the best Clematis adapted to our climate; a very robust grower; profuse bloomer; perfectly hardy. Flowers large size; color delicate rosy pink		
New Forget-me-not. JEWEL; this is a greatly improved variety; large umbels of sky blue flowers		1 00 6 00
New Lobelia. GOLDELSE; flowers single blue; foliage yellow; this variety is well adapted for bordering flower beds		75 5 00
Swainsona Galegifolia Alba		75 5 00
New hardy or border Carnation. MRS. REYNOLDS HOLE. (This is a true Carophyllus) of English origin, large well built flowers; color terra cotta		2 00
New Hardy Pink. HER MAJESTY; well established plants; will surely bloom in Spring		75 5 00
New Dahlias		
Marguerite Bruant. Very choice variety; fine large pure white flowers of the most perfect form		
Nymphae. New Cactus Dahlia; flowers large, very pleasing shade of pink. Ready April. The 3 varieties		75 5 00
New Cannas. QUEEN CHARLOTTE. 50c		5 00
New Fuchsia Little Beauty. 15c		1 50

Carnations—Standard Varieties.

White—Silver Spray. Flowers large and full; stiff long stems		
" —Mrs. Fisher. This variety is well adapted for Summer blooming		
" —Hinz's White. Creamy white; late variety but very productive		
" —Lizzie McCowan. Large and very prolific		
Pink.—Daybreak. Very delicate salmon pink; large full flower on long stiff stems		2 50
" —Fred Creighton. We may call this an improved Grace Wilder, very floriferous		2 50
" —Wm. Scott. This is undoubtedly the finest pink Carnation in cultivation; a most perfect large flower on a very strong stem; exceedingly free flowering		3 00
" —Thos. Cartledge. Very deep pink or carmine; flowers large and full, the best of its color		
Scarlet.—Portia. Flowers medium size; bright scarlet		3 00
" —Alegatiere. Brilliant scarlet circular round shaped flowers		
" —Fred Dorner. Very large, deeply fringed, deep scarlet		
Variegated.—Caesar. Very robust grower; flowers large, pink and red		
" —Buttercup. Yellow striped scarlet		4 00
" —American Flag. Flowers medium size; variegated red and white		

Transplanted rooted cuttings of the above \$2.00 per 100, except where noted.

Chrysanthemums.....

White. The Queen and Miss Kate Brown..... 4 00

Mrs. F. Bergam. Jessie. Ivory Minute Wannemaker. L. Croning. Snow..... 3 00

Yellow. Eugene Dailledouze. Major Bonnafton. Golden Wedding. Mrs. Craig Lippincott. W. H. Lincoln. H. E. Widener. J. G. Whilldin. Gloriosa..... 3 00

Pink. Mrs. E. G. Hill. Interocean. Mrs. J. T. Anthony..... 4 00

Advance. Louis Boehmer. Mrs. Irving Clark. Harry Baisley. Violet Rose Roslyn..... 3 00

Verbenas. A large variety of the best colors, red, white, blue, and variegated. \$1.00 per 100; \$8.00 per 1,000.

Ceraniums.....

Mrs. Snow..... 75 5 00

Mrs. Parker, double pink variegated foliage..... 75 5 00

Golden Harry, self; dazzling scarlet flowers; golden bronze leaves; for bordering far superior to any other dwarf variety..... 50 4 00

Plumbago. Capensis and Alba..... 10 4 00

Daisy. Snowflake from cold frame..... 3 00

Coleus and Athantheras. Ready May 1st..... 2 70

Lycnis. Flos cuculi sempiternas..... 75 5 00

Clematis. A large stock of the best leading varieties; 2-year-old plants from 5 and 6-inch pots..... 3 00

1-year-old plants..... 1 50 10 00

Clematis. Flammula Seedlings from flats, \$1.00 per 100; \$8.00 per 1,000.

C. EISEL, 11th & Jefferson Sts., PHILADELPHIA, PA.

Specialties for Florists at Reduced Prices.

New Rose Crimson Rambler.

The sensation of the century. Received gold medal at Antwerp Exhibition for the best new plant introduced in 1893. Gold medal from National Rose Society. Gold medal at Earls Court Exhibition, as well as numerous first-class certificates. This is **THE ROSE** for every Florist in America.

PLANTS ONE YEAR OLD WILL PRODUCE 300 BLOOMS ON ONE BRANCH.

Crimson Rambler is a vigorous grower, attaining a height of 12 feet in one season, producing enormous bunches of deep crimson flowers, remaining in perfection longer than any other Rose known. For full description and illustration see our Catalogue of Novelties.

Colored Plates, 10 cents. Price of Plants, 2½ inch pots, immediate delivery, \$2.50 per 12; \$12 per 100. From 4 inch pots, \$20 per 100.

New Chrysanthemum Philadelphia.

The greatest prize winner of all Chrysanthemums has been so fully described lately that every one must know all about it. \$3.50 per 12; \$25 per 100.

New Abutilon Souvenir de Bonn.

Elegant Maple like foliage, widely margined with white; large, golden yellow flowers, marbled with scarlet. \$1 per 12; \$6 per 100.

Allamanda Williamsii. Forms a compact bush with trusses of yellow flowers, 3 to 5 inches, deliciously scented and produced in greatest abundance. \$3 per 12; \$15 per 100.

New Bougainvillea Sanderiana.

The most useful and brilliant flowering plant known, of easiest culture, producing its magnificent rosy crimson bracts and yellow flowers, under all conditions in the greatest abundance and amazing profusion. (Sander & Co.) Still sold in England for \$25 \$3.50 per 12; \$20 per 100. Colored plate 10c.

New Garryopteris Mastacantha.

(Blue Spiraea), one of the very best novelties from China; blooms first year from seed or cuttings; grows 2 to 3 feet high; highly scented foliage; a mass of sky blue flowers until December; vigorous and hardy; excellent bee plant. \$1.50 per 12; \$8 per 100. Colored plate 10c.

New Clematis Mme. Edward Andre.

This is the new Crimson Clematis first exhibited at the World's Fair in French section. The flowers are very large, most vivid crimson in color; rapid grower, hardy and prolific bloomer. \$3.50 per 12; \$25 per 100.

New Pink Clematis. Mme. Baron Veillard, similar in every respect to Mme. Andre, but flowers a delicate pink, very distinct. \$2.50 per 12; \$15 per 100.

Garmine Fountain. (Thysacanthus.)

Drooping branches, 20 inches long, of deep carmine flowers. Nothing more beautiful. \$2 per 12; \$15 per 100. All plants 50 at 100 rates; 25 at dozen rates.

Mr. Grozy's Gannas of 1894. The complete set of 20 sorts. Price, 60c. each; set of 20 for \$10.

New Ganna Queen Charlotte. This is conceded to be the finest Canna to date, and will no doubt hold its place as such for a long time to come. Sent out last year at \$2.50 each, yet it found ready sale. Those who will grow it in quantity will reap the golden harvest. Fine plants that are ready to bloom at \$4 per 12; \$7 per 25; \$25 per 100. Order now.

All other Cannas such as EGANDALE, \$8 per 100; FLORENCE VAUGHAN, \$6 per 100; PAUL SIGRIST, \$10 per 100.

Bulbs.

Amaryllis Belladonna, \$5 per 100. A. Johnsoni, \$15 per 100. A. Formosissima, \$4 per 100. A. Vittata, \$8 per 100. A. Equestra, \$5 per 100. A. Hybrids, \$25 per 100. Amorphophallus Rivieri, strong bulbs, \$15 per 100. Apios Tuberosa, \$1 per 100. Begonias, \$4 per 100—\$35 per 1000. Calla Little Gem, \$6 per 100. Spotted Calla, \$4 per 100. White Calla, \$4 per 100. Black Calla, \$12 per 100. Yellow Calla, \$75 per 100. Caladium, fancy leaved, named sorts, \$15 per 100. **CHLIDANTHUS**, Pure yellow, sweet scented \$5 per 100. Crinum in many sorts. **GLADIOLUS** at lowest market prices. Hyacinthus Candicans, \$1 per 100. Iris Kaempferi, \$1.50 per 100. Iris Germanica, \$1.50 per 100. Ipomoea Mexicana, \$6 per 100. Ipomoea pandurata, \$4 per 100. Milla biflora, \$2 per 100. Montbretias, \$2 per 100. Oxalis, 25c. per 100. Tigrisias, \$1.50 per 100. **PAEONIES**, \$7 per 100. **DAHLIAS**, 400 sorts, all the newer ones.

Dahlia Mrs. Peart, Pure White Cactus, \$25 per 100; \$3.50 per 12. Dahlia Delicata, (Pink Nymphaea), \$20 per 100; \$3 per 12. Dahlia Nymphaea, \$10 per 100; \$1.50 per 12. The above in green plant. Mixed Dahlias, field roots, \$7 per 100.

Lilies. Lilium Auratum, 8 x 9, \$4 per 100. L. Speciosum Roseum, 8 x 9, \$4.50 per 100. L. Speciosum Album, 8 x 9, \$5. L. Alexandraea new white auratum, \$30 per 100.

Tuberoses. Excelsior Dwarf Pearl, 4 x 6, \$6 per 100. Variegated leaved, \$6 per 1000.

SEND FOR WHOLESALE TRADE CATALOGUE OF BULBS AND NOVELTIES.

A. Blanc & Co.

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Philadelphia.

Jardinieres and Flower Pots: Of these we have the largest assortment in the country and at lower prices than can be quoted elsewhere. Direct importation. Send for Catalogue.

Engravings and Electrotypes. Over 20,000 engravings in stock, of Plants, Flowers, Fruits, Trees, Vegetables, Ornaments for use in Florist or Seedsmen's printing. List of Extensive Catalogues mailed free.



Strobilanthes Dyerianus.

The most beautiful leaved bedding plant ever introduced. A brilliant metallic purple, shading into light rose. Stands the sun remarkably well—very useful and decorative plant, or for garnishing jardinières. Sold last year for \$2.

Price, 30 cents each. \$2.50 per 12; \$10 per 100.

New Spiraea Anthony Waterer.

Although only sent out by Mr. Anthony Waterer, in November, 1894, at \$2 each, we are already in the market with it at popular prices. Mr. Goldring of the Royal Kew Gardens speaks of it as follows: "It is one of those rare novelties that occur at rare intervals. It outshines all other Spiraeas in brilliancy of color (a bright crimson); it is also dwarfer and denser in growth, more profuse and more persistent in flower and is not out of bloom during summer and autumn—a rare gem—it will be extensively grown for market, as it is the IDEAL of a POT PLANT FOR FLORISTS. On September 1st I saw a large number in full bloom; some plants not more than 15 inches high had 20 flower clusters open at one time, and had been producing blooms in like manner since June! It has been awarded a first-class certificate last July."

Nice young plants \$5 per 12; \$8 per 25; \$50 per 100. Colored plate, 10c.

Royal Coleus. Mrs. Sanders. These, the finest of all Coleus ever introduced, are fully described in our Catalogue of Novelties, sent out last year at \$1.25.

Our price, \$1 per 12; \$7 per 100.

Solanum Wendlandi produces trusses of flowers a hundred in number, each flower measuring up to 2½ in. Color, mauve blue. A superb climber. \$4 per 12; \$30 per 100.

Solanum Rantonetti. A neat compact plant, 1 to 2 feet high; covered during summer and fall with deep blue flowers. \$2 per 12; \$12 per 100.

Peperomia Metallica. An introduction of the great establishment of Linden, Brussels. Leaves thick, waxy-like, appearing as if covered with bronze, red underneath. Price, \$2 per 12; \$10 per 100.

Kosteletzkia Virginica. (Pink Beauty.) First sent out by us—a fine, hardy, tuberous rooted plant, completely covered with large pink flowers. \$2 per 12; \$12 per 100.

Mr. Grozy's Gannas for 1895. By special arrangement we can deliver these in dry roots April 15th at \$2.50 each, or \$10 per set of 20. A single set could not be imported direct at this price.

New Ganna Golden Star. If this is not the purest yellow Canna in commerce to date we refund the price paid for it. The three upper petals which are beautifully fringed are absolutely pure yellow—the lower one is but slightly spotted red. \$4 per 12; \$7 per 25; \$25 per 100.

Shading.

Our friend Scott, in the last number of the FLORIST, recommends a mixture of white lead and naphtha for shading green-houses. I used this method for several years, until I found a cheaper and in every way better one. In using white lead I was never quite sure that I would not be compelled to use lye to remove it in the fall, which would be liable to take the paint off the rafters as well as the shading from the glass.

My method is to use common whiting. Mix it with boiled linseed oil if the shading is to stay on all summer; make the mixture so that it will run from the pot, or a little thinner than ordinary putty. For a shorter period use less oil. This mixture I use mixed with naphtha so that it can be put on with a syringe or a brush as recommended by Mr. Scott. I have never had any trouble with this shading, either to have it stay on as long as required or to remove it when I wished to do so. For show houses it is well to add a little cheap green to the whiting so as to make the shading a light apple green. This makes a very pleasing light in the house and shows plants and flowers to good effect.

J. T. ANTHONY.

Manure from Poultry Yard.

"A. W." inquires whether hen maure is used as a liquid manure, and if so what strength. The above is a very strong manure and must be used very carefully. It is often used with good results if not carelessly applied. One quart of the manure in thirty-two gallons of water is strong enough. If used other than in a liquid state still more care is necessary. I have seen two very dissimilar crops spoiled by it; one was a bed of seedling cabbage, the other was a bench of roses. If used in the ordinary way mixed with the soil it should be mixed with some dry soil first, being quite decomposed, and then run through a fine sieve. It must be used very sparingly.

W. S.



Wait For Me! I am Coming WITH VAUGHAN'S

BULBS AND SEEDS. Down Weight. Full Count. BURT EDDY.

PALMS.

150,000 of all the leading varieties.

FERNS.

50,000 of leading varieties.

Address GEORGE WITTBOLD, 1708 N. Halsted St., CHICAGO.

TOBACCO Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE. Vaughan's Seed Store, Box 688, Chicago.

DREER'S SPECIAL OFFER OF Seasonable Plants, Bulbs, Etc.

BULBS AND TUBERS.

	Per 100
Achtmenes, 6 distinct colors.....	\$ 4.00
Amaryllis Formosissima.....	1.00
Johnson, strong.....	25.00
Begonia, Tuberosa Rooted. Our stock of these is very fine both as to size of bulb and flower.	
Choice single mixed.....	3.50
" " In separate colors.....	4.50
" " double mixed.....	12.00
" " In separate colors.....	15.00
Spotted Callas, strong bulbs.....	6.00
Caladiums, Fancy Leaved, in 25 varieties.....	12.00
Caladium Esculentum, 10 to 12 inches in circum.....	9.00
" " 8 to 10 " ".....	6.00
" " 6 to 8 " ".....	4.00
Lilium Auratum, 7 to 9 inches in circum.....	4.00
" " 9 to 11 " ".....	6.00
" " 11 to 13 " ".....	9.00
Lilium Spectosum Album.....	8.00
" " Rubrum.....	8.00
Tuberose Excelsior Pearl and Tall Double, and exceptionally fine stock.....	\$7.50 per 100
Tuberose Albino.....	2.00

HARDY VINES AND CLIMBERS.

Ampelopsis Veltchli, a fine stock of strong dormant 3-inch pots.....	8.00
Akebia Quinata, 3-inch pots, very strong.....	6.00
" " 4-inch.....	10.00
" " 6-inch heavy.....	10.00
Aristolochia Sipho, extra heavy.....	30.00
Clematis in variety, Jackmanni, Henryi, etc., extra fine strong plants.....	30.00
Clematis Paniculata, 2 1/2-inch pots..... \$1 per 100	5.00
" " 3-inch pots..... \$50 per 1000	6.00
Honeysuckles Halleana, Evergreen and Chinese Variegated, strong plants grown in 4-in. pots.....	8.00
Honeysuckles Halleana, Evergreen and Chinese Variegated, strong plants grown in 6-in. pots.....	15.00

DWARF FRENCH CANNAS.

Specially low prices—a reduction from our regular trade list—these prices hold good only for orders received before April 1st.

	Per 100
Alphonse Bouvier.....	\$ 5.00
Charles Henderson.....	5.00
Deuil de St. Grevy.....	5.00
Mad. Crozy.....	5.00
Maurice Mussy.....	5.00
Miss Sarah Hill.....	5.00
Explorateur Crampel.....	5.00
Florence Vaughan.....	8.00
Kaiser Wilhelm.....	5.00
Paul Marquant.....	5.00
Admiral Gervais.....	5.00
Antoine Crozy.....	5.00
Admiral Michel.....	5.00
Baronne de Renowardy.....	5.00
Camille Bernardin.....	6.00
Chas. Dille.....	5.00
Cronstadt.....	5.00
Comte Horace de Choleuil.....	5.00
Duchess de Montanard.....	5.00
Edward Michel.....	6.00
Geoffroy St. Hilaire.....	5.00
Gustav Senneholz.....	5.00
La Guill.....	5.00
Marquise A. L'Algle.....	5.00
Mr. Cleveland.....	5.00
Martin Cahuzac.....	5.00
Nardy Pere.....	8.00
Nellie Bowden.....	5.00
Paul Bruant.....	5.00
Perfection.....	6.00
Princess Lusignan.....	5.00
Paul Sigrist.....	8.00
Secretary Stewart.....	5.00

Stadgartner Senneholz.....	Per 100 5.00
Sophie Buchner.....	8.00
Otto Froebel.....	5.00
Ventura.....	5.00

IMPORTED BUDED ROSES.

Extra fine plants, strong, 2 years old, budded low on Maudslayi stocks in the following choice varieties. The prices are good for all orders received before April 1st.

Alfred Colomb.....	Mme. Gabriel Luizet.
Anna de Diesbach.....	Mme. Hardy.
Baron de Bonstetterin.....	Mervelle de Lyon.
Baroness Rothschild.....	Mons. Bonconne.
Bonie de Nieze.....	Mrs. John Latig.
Common Provence.....	Paul Neyron
Duke of Edinburgh.....	Princess Adelaide.
Fisher Holmes.....	Princesse Camille de Rohan.
Gen. Jacqueminot.....	Sweet Briar.
Gloire de Mousseuse (Moss).....	Ulrich Brunner.
La France.....	White Baroness.
Magna Charta.....	William Lobbe.
Mabel Morrison.....	White Provence.
	Xavier Olibo.

\$12.00 per 100; \$100.00 per 1000.

Alfred K. Williams.....	Gloire de Margottin.
Blanche Moreau (Moss).....	Persian Yellow.
Capl. Christy.....	Queen of Queens.
Countess Muralins (Moss).....	Rugosa.
Duchess of Albany.....	Rugosa Alba.
Earl of Dufferin.....	

YOUNG PALMS.

Elegant young stock in fine condition for growing on.

	Per 100
Areca Lutescens, 2 1/2-inch pots, 6 to 8 in. high.....	6 00
" " 3-inch pots, 8 to 10 in. high.....	10 00
Kentia Forsteriana, 2 1/2-inch pots, 8 to 10 in. high.....	10 00
" " 3-inch pots, 10 to 12 in. high.....	20 00
" " 4-inch pots, 13 to 18 ".....	35 00
Latania Borbonica, 2 1/2-inch pots, 3 leaves.....	5 00
" " 3-inch pots, 4 to 5 leaves.....	10 00
" " 4-inch pots, fine stock.....	25 00
Cocos Weddelliana, 2 1/2-inch pots, 6 to 8 in. high.....	10 00
Phoenix Ruffinot, 2 1/2-inch pots, 6 in. high.....	10 00
Phoenix Reclinata, 2 1/2-inch pots, 8 in. high.....	8 00
" " 3-inch pots, 12 in. high.....	12 00
Chamaerops Excelsa, 2 1/2-inch pots, 6 in. high.....	6 00
Corypha Australis, 2 1/2-inch pots, 6 in. high.....	6 00
Cocos Plumosa, 3-inch pots, 10 in. high.....	10 00

HARDY HERBACEOUS PLANTS.

Anthemis Tinctoria, 2 1/2-inch pots.....	4 00
" " Kellwayi, 2 1/2-inch pots.....	8 00
Anemone Japonica Alba and Rosea.....	5 00
" " Whirlwind, strong, 4-inch pots.....	8 00
Aquilegia Corulea, true, 3-inch pots.....	8 00
Arundo Donax.....	8 00
" " Variegata.....	15 00
Coreopsis Lanceolata, 1 year old clumps.....	8 00
" " 2 1/2-inch pots.....	4 00
Dielytra Spectabilis, strong clumps.....	6 00
Gaillardia Aristata Grandiflora, 2 1/2-inch pots.....	8 00
Helianthus Multiflorus.....	8 00
" " Maximilliana.....	6 00
Iris Germanica, 10 choice vars.....	6 00
Iris Kaempferi, 12.....	10 00
Paeonias, 12 choice vars.....	15 00
Hardy Pink Her Majesty, strong clumps.....	8 00
" " 2 1/2-inch pots.....	4 00
Trifolium Uvaria Grandiflora, strong clumps.....	12 00
Eulalia Japonica Zebra, strong.....	8 00
" " Variegata.....	8 00
" " Graeflittia Unvilvata, strong.....	8 00

For a full line of seasonable stock see our new Quarterly Trade List which will be distributed early in April.

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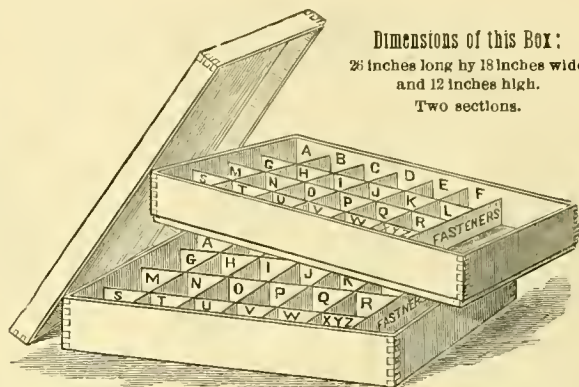
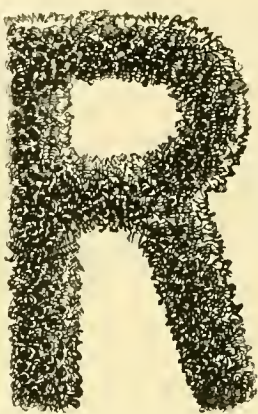
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Chrysanthemum Troubles.

"Constant Reader" writes as follows: "Would like to know what is the best remedy for black fly on the 'mums,' as smoking does not seem to have much effect, and also the best remedy for mildew on them. What temperature is best for them at this time of year? And should chrysanthemums be syringed now?" Taking the questions as they are put, would say that fumigating with tobacco smoke will kill the black fly; if followed up three nights in succession it will most assuredly kill them. In the summer time, when you have to give lots of air, and more than likely there are several lights of glass out, tobacco water syringed on the plants will keep the fly down. Others depend on tobacco dust thrown over the plants every week, but neither of the two latter methods kills them so effectually as the smoke. Mildew is not often seen on the young plants at this time of year. In the fall, at flowering time, it frequently is, and mostly where the house is cold, damp and draughty. An increased temperature will start the plants growing, and you should not be troubled with mildew. A night temperature of 50° with a rise of 10° or 15° in daytime will keep them in a healthy growing state, at which they will grow fast enough to give you the means of increasing your stock. The usual waterings is moisture enough for the leaves. There is no occasion for syringing, but a dusting with the hose on bright days could do them no harm. The greatest trouble with chrysanthemums when struck early is that they must be kept shifted on, and not allowed to get starved in small pots; if they do they get drawn up, hard-wooded things, and are then only fit to take a cutting off the top and throw the plants away. W. S.



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- Superintendents of Parks, Florists and Landscape Architects wanting trees for customers should call on me or write. Two Express Cos.; Steam Boats to New York City.
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We offer it in choice mixture made up as follows: 50 per cent white; 40 per cent, pink; and 10 per cent blue (which are the most desirable colors). This is without a doubt the MOST PROFITABLE ASTER for the Florist. The flowers are of immense size, perfectly double and can be cut with stems 12 to 20 inches long. The seed we offer will germinate 95 per cent. (as per several tests which we have made). ORDER AT ONCE, AS THIS STOCK IS LIMITED. Price: 40 cts. per Trade packet; 75 cts. per 1/4 oz.; \$2.50 per oz.

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Soluble in Water. Directions for Use with Each Can.

This new Insecticide is a sweet-smelling, milk white soapy wash that can be trusted in the hands of the most careless operator, as they cannot get wrong, being perfectly safe and harmless to the tenderest foliage and roots. It effectually destroys mealy bug by syringing or dipping. It also destroys scale, thrips, red spider, black and green fly, caterpillar, American blight, mildew, &c. Acts as a fertilizer when not too strongly used.

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Note the low price at which this valuable Insecticide is sold: Pint, 40c.; Quart, 75c.; Half-Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Kegs, \$9.00; 10 Gallon Kegs, \$17.50. For sale only by

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How old does the Cycas revoluta have to be to make fine specimen plants for decorating? Do they grow one set of leaves every year? What kind of soil suits them best and do they require strong sun light? M.

Cycas revoluta increases in size, but slowly, and many years' growth would be required to make plants of useful decorative sizes from small stems.

For those who have not proper facilities for starting dormant stems in good shape, it is the safest plan to procure established plants of about the size needed. Such plants will usually produce one growth or crown of leaves per year, but this rule is not without exceptions.

A light loam, moderately enriched with good stable manure or bone dust, is a satisfactory soil for cycas, and the finest leaves will be produced in a partly shaded greenhouse in which a temperature of 65° to 70° is maintained.

Especially during the period that young growth is being formed it is essential that these plants should not be allowed to become very dry, for under such conditions the new leaves are very likely to become crippled. W. H. TAPLIN.

Pink Swainsona.

The so-called "pink" variety is very disappointing all around. The growth is straggling with rather small flowers, and of a most muddy shade of magenta. The color is simply "horrid." A phlox and balsam does approach towards a scarlet, and there is a bluish shade even in a lavender aster, but a "pink" swainsona "isn't in it." G. P. R.

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We were very skeptical about using the Clipper and butting the glass when we made the venture last year, but now believe if the work be properly done it is far superior to the old method of bedding in putty and lapping the glass.

Yours very truly, DOYLE BROS.

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The finest CLEAR CYPRESS used.

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3 1/2 "	4 0/0 "	50
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5 "	8 3/4 "	90
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Doves AND AN 8x10

.... ALBUM,

CONTAINING 15 FLORAL DESIGNS

... SIMILAR TO THIS ...

It Will Pay You to Have One

OF THESE ALBUMS

ON YOUR COUNTER

TO SHOW CUSTOMERS.

Album Without Doves, \$2.00.

S. J. RUSSELL,

850 Montgomery St., Jersey City, N. J.

THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50 - spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address HOSE CONNECTION CO., Kingston, Rhode Island. Only 23 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device." - W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill. "The most valuable labor saving invention I ever used." - C. E. WELD, Roslindale, Mass.

Detroit Flower Pot Manufactory
STANDARD POTS.
Fern or Bulb Pans.

STOCK UP TO DATE.

P. O. Address: 490 Howard Street, Detroit, Mich.



California Red Cedar
NEVER DECAYS.

A. DIETSCH & CO., 619 Sheffield Avenue,

Mfr's of Red Cedar and Cypress Greenhouse Material, CHICAGO.

PLANT BED CLOTH.
CHEAP SUBSTITUTE FOR GLASS on Hot-beds, Cold Frames, etc. Three grades.
Light, Medium, Heavy.



Used by Florists, Gardeners, etc. Invaluable for Tobacco Growers. Protects from frost. Promotes hardy, vigorous growth and keeps beds warm; will not shrink or mildew. For sale by the leading Dry Goods houses, Seedsmen, Florists, etc. Well known and extensively used. For circulars and samples apply

NATIONAL WATERPROOF FIBRE CO.,
 36 South Street, - - NEW YORK.
 Agents Wanted.

Mention the American Florist when writing to advertisers on this page.



Iron Reservoir

VASES,
Lawn Settees

-AND-

CHAIRS

Are Manufactured by

McDONALD BROS., Columbus, O.

The largest manufacturers of these goods in the world. We issue a large 40-page illustrated catalogue, which will be sent free on application.

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P. SEBIRE & SONS
 NURSERYMEN
 A GENERAL ASSORTMENT OF
 SUCH AS APPLE, PEAR, MAHALES, SMALL EVERGREENS,
 MYRSIN, PLUM, MAZZARD, CHERRY, FOREST TREES,
 ANGERS, QUINCE, ORNAMENTAL SHRUBS, ROSES, ETC.
 THE LARGEST FRUIT AND ORNAMENTAL PLANT GROWERS IN THE U.S.A.
 C.C. ABEL & CO., P.O. Box 320, New York.

Mention American Florist.

Cincinnati.

Although business the past week has not been very brisk there has not been an over supply of stock, and flowers of all kinds, with the exception of carnations and hybrid roses, have sold well at the same prices they have brought for the past few weeks. Carnations are down a little, but good common stock still brings \$1.50 and anything a little better \$2, with a few extras at \$3, and even \$4 is asked for some. The hybrids go slowly at \$5 to \$6 per dozen for the best, seconds bringing \$3 and \$4. Good Brides, Mermets and Bridesmaids are scarce, as the crops all seem to be off, the best ordinary stock sells for \$8, smaller \$6 and extra choice \$10 to \$12.

Daffodils were very plentiful a week ago, but are now scarce and there is not much demand for what there are. The common brings \$3 and the large single Golden Spur \$5 per hundred. Tulips are getting more plentiful, \$3 to \$4 is the price. A grower thinks tulips will be retailed in the stores next year at 50 cents per dozen instead of 75 cents and \$1 as now. He said "I am being offered some good bulbs at \$3 per 1000 and can put them on the market next winter for \$20 to \$25 per 1000."

The violet market has broken and prices are down to 50 cents a 100 for the best, and from that down to \$3 per 1000 for the job lots.

HALIFAX, MASS.—W. E. Fullerton has purchased the Halifax Nurseries formerly run by the Old Colony R. R. It comprises twenty-two acres of ground on which are commodious greenhouses, about fifty thousand herbaceous plants and a large variety of nursery stock.

NEW ORLEANS.—Mr. Chas. Eble is asking extensions of one and two years from his creditors.

USE W. C. KRICK'S
Florists' Letters, Etc.
 Medal Awarded at the World's Fair.
 And Highest Award Wherever Exhibited.



These Letters and Designs are made of the best immortelles, wired on wood or metal frames, having holes drilled in them to insert tooth picks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in the market.

2-inch Letters, \$2.50 per 100.
 Postage, 15 cts. per 100.

For other styles of Letters, Emblems and Designs, send for catalogue and free sample.

W. C. KRICK, 1287 Broadway, Brooklyn, N. Y.
 For sale by all Florists' Supply Dealers.

GREAT BARGAINS.



- 400 Nests of Baskets
- 50 Gross Italian Bouquet Papers
- 1000 Metallic Designs
- 400 Fancy Baskets
- Etc., Etc., Etc.

All goods in first class condition.

Address, **ERNST KAUFMANN, Agent,**
 113 N. 4TH ST., PHILADELPHIA, PA

W. P. "SPECIAL" EVERGREEN
LAWN GRASS SEED.

This is the very finest mixture of Grass Seeds that can be made, and should always be used where a fine lawn is wanted. We have given much thought and made many experiments to determine the kinds of grasses most suitable to form a beautiful lawn in our climate. Our experience has taught us that Kentucky Blue Grass and Rhode Island Bent are the two kinds that ought to predominate in a lawn mixture. These, with the addition of Sweet Vernal, Fine-leaved and Hard Fescues, Crested Doxstall, English Ryegrass, and one or two others in smaller proportion, give in addition to a velvety Lawn in summer an early growth in spring and a late growth in fall, and also add a permanent character to the Lawn and a hardness to withstand walking over—as in Tennis or Croquet—not otherwise attainable. This "Special" mixture is prepared on these principles, and will give the best possible results.

DEALER'S PRICES 1895.—In bulk, per bush. (14 lbs.), \$1.40; retail, \$3.00. In quart packages, per 100, \$8.00; retail, 20 cents. In pint packages, per 100, \$5.00; retail, 10 cents.

CLAY'S LONDON FERTILIZER PLANT FOOD

A highly concentrated Plant Food, manufactured in England. It is entirely different from all chemical manures whatever, being composed of concentrated animal matter and expressly prepared to promote the growth and beauty of plants and containing all the necessary elements for their healthy and perfect development. It quickly changes the leaves to a dark green, develops and increases the size and number of the blossoms, and will, in a short time, change weak and stunted plants to thriving and vigorous ones. It is in powdered form, free from rank odor, and hence especially adapted for use on greenhouse plants as well as for all out-door and indoor crops, whether flower, fruit or vegetable. As a developer of large and fine blossoms this Fertilizer is famous the world over and is in constant use by amateur and professional gardeners everywhere. After one trial no one will be without it.

WHOLESALE RATES 1895.—In 112 lb. bags, \$6.00 per bag. In pound packages, (for retailing), \$10.00 per 100.

G. C. WATSON,
 Wholesale Seedsman and Commission Merchant,
 1025 ARCH ST.
 Philadelphia, Pa., U. S. A.



THE "TABASCO" WATER HEATER.
 ALL STEEL. SELF-FEEDER.
 FOR GREENHOUSES, CONSERVATORIES
 And all places requiring hot water for HEATING AND GENERAL USE.

KEWANEE BOILER COMPANY
 96 Lake Street, CHICAGO. KEWANEE, ILL.

Hoyt's System OF Hot Water Circulation,
 A NEW DEPARTURE.
 PATENT APPLIED FOR.

DISCOUNTS ALL KNOWN METHODS OF GREENHOUSE HEATING.

Gotten up by a florist, after years of experience, for the use of florists, and meets all the requirements as does no other method. No more to be compared with the gravity system, either open tank or pressure, than a street car is with an ox-team. Is far more rapid, hotter, cheaper in both the heater and piping; quicker in action, and more easily controlled than gravity, and no florist will ever want the slow, expensive and unsatisfactory gravity after seeing this new system.

Catalogue will be out soon. Send for one. (No stamp), and no cast-iron business; except "a heater" to sell.

A. T. HOYT, WARREN, OHIO.

Are You Thinking OF BUILDING MORE HOUSES THIS YEAR?

Gasser's Patent Zinc Joints are the best thing ever used in Greenhouse construction. Saves glass, saves breakage, saves fuel, makes a roof air and water tight.

Write for circular and samples.

J. M. GASSER, Florist,
 Euclid Ave, Cleveland, O.

LOW RATES SOUTH.

March 5th, April 2nd and April 30th tickets will be sold via Chicago & Eastern Illinois Railroad to various points in Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Virginia, and to points in Florida west of River Junction, at one fare for the round trip. For tickets and information apply to your nearest agent, City Ticket Office C. & E. I. R. R., 230 Clark St., Chicago, and C. W. Humphrey, Nor. Pass. Agent C. & E. I. R. R., St. Paul, Minn.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

DO YOU WANT a list of trade organizations, both national and local, with names and addresses of principal officers, time and place of meetings and other information? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

Evans' Improved 



CHALLENGE

ROLLER BEARING

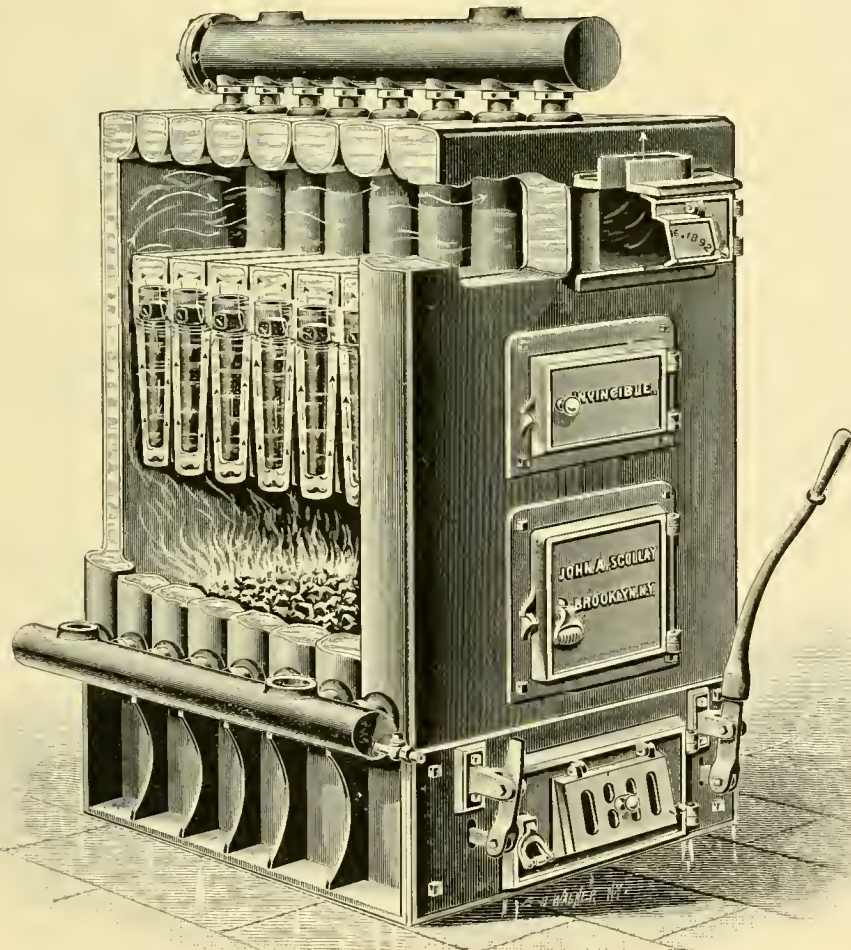
VENTILATING 

 APPARATUS.

Still leads them all in ease of operation. Self-oiling. Roller bearing overcomes that grinding friction usual where weight bears on. A trial will convince you that you want only the Challenge.

ILLUSTRATED CATALOGUE FREE ON APPLICATION.

QUAKER CITY MACHINE COMPANY, RICHMOND, IND.



Attention 

 Florists!

It will be to your advantage to look into the merits of the Scollay "Invincible" Hot Water Boiler.

It is all that its name implies and don't forget it.

Cuts and full information mailed on application.

JOHN A. SCOLLAY,

89 & 91 Centre St. 74 & 76 Myrtle Ave.
NEW YORK. BROOKLYN, N. Y.

Soot.

A subscriber wants to know if soot "put into a barrel of water and used as a liquid is of any benefit to carnations or other blooming plants, and is it good for any kind of plants? How strong can it be used, and is there any danger in it?" The soot of soft (bituminous) coal contains considerable carbon and ammonia, and other properties, none of which are hurtful to plant life if not overdone. It is considered so valuable in Great Britain that a ton of it used to be worth \$20 to \$25. In agriculture it is used largely, not only as a fertilizer to cereal crops, but also as a destroyer or preventive of slugs and many other plant pests. The illustrious divine who has lately visited our shores, Canon Hole, says in one of his works on the rose that soot is better than sulphur for keeping down mildew on outside roses. The chief benefit it affords to our florists' flowers is that it increases the density of the chlorophyll, and hence intensifies the color of both the flower and foliage. In field crops it is of course used dry. In floriculture it is used as a liquid manure, and there are few plants we grow that will not be benefited by its use. The trouble is it is often difficult to procure. One gallon of the dry soot in 32 gallons of water is perfectly safe, and for carnations and chrysanthemums two gallons would do no harm. If you want to try it put the soot in a coarse bag and sink to the bottom of the barrel. If thrown in loosely it will remain on the surface and smudge up everything where used. The soot from our anthracite or hard coal would not only be useless, but very deleterious. Use only the soot of the soft or bituminous coal.

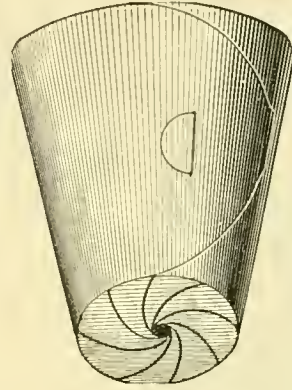
WM. SCOTT.

Incrustation of Boiler and Pipes.

Referring to the recent mishap to the heating apparatus of an Illinois florist due to incrustation of heating pipes, Mr. W. A. Harkett of Dubuque, Ia., writes that he also is obliged to use water impregnated with lime, etc., and had considerable trouble from scale until of late years, during which he has used Trisodium phosphate in the water to prevent the formation of scale and its dissolution when formed. He says this phosphate costs, in small lots, about 18 cents a pound. From 2 ounces to a pound to each 1,000 gallons of water is about right, depending upon the amount of scale already formed, and it lasts a long time in a hot water boiler as the waste is very little.

Neponset Paper Flower Pots

Manufactured Solely by F. W. BIRD & SON.



FROM THEIR CELEBRATED NEPONSET WATERPROOF FABRICS.

For shipping of plants in pots, with intact root balls, they have no equal. For a pot cover in decorations, they are unsurpassed in cheapness. Bulbs and all soft-wooded plants which do not shun water agree well with this pot.

Cabbage, Tomato and Strawberry plants have been grown with success in these pots. Paper pots retain the moisture in the soil longer than earthen pots.

We are agents for F. W. Bird & Son, and always carry a limited stock at our store. If pots are ordered to be shipped by freight, 50

cts. cartage must be added for each shipment. The Neponset Pots are manufactured of waterproof paper, are unbreakable, handsome, light, cheap and terra cotta color.

These pots come packed in light crates of always even contents as stated hereafter:

Prices are net spot cash, delivered at Factory, East Walpole, Mass., or from stock in New York (at our option). Less quantities than original crates are charged at 100 rates.

Size.	crates hold Original	of 1000 pots, Gross weight	Per 100	Per 1000.
			Price.	Price.
2 1/4 inch.....	1,000.....	about 20 lbs.....	\$0 25	\$2 00
2 1/2 "	1 000.....	" 23 " .....	.30	2 30
3 "	1,000	" 34 " .....	.35	2 80
3 1/2 "	1 000.....	" 45 " .....	.50	4.00
4 "	500.....	" 76 " .....	.60	5.00
5 "	500.....	" 100 " .....	.90	8 30
6 "	500.....	" 150 "	1.50	13 35

Sample dozens, postage paid, by mail.

	2 1/4	2 1/2	3	3 1/2	4	5	6-inch pots.
For 10c.	11c.	14c.	17c.	22c.	40c.	60c.	per doz n.

Only full dozens of one size sent at above prices.

ADDRESS ALL CORRESPONDENCE TO

August Rölker & Sons,
NEW YORK,

P. O. STATION E.

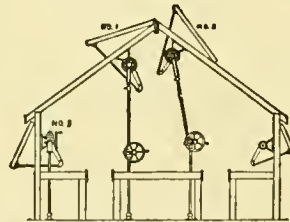
136 and 138 West 24th Street.

VICTORY! VICTORY! VICTORY!

The only Certificate of Merit awarded for ventilating apparatus at the St. Louis Convention was to the

POPULAR STANDARD VENTILATING MACHINE

The florist's friend in working and prices.



No repairs for 5 years no chains to break as is the result with others.

Opens Sash uniformly in 100 foot houses a new device.

Send for Catalogue and estimates.

E. HIPPARD, Youngstown, Ohio.

FIRST-CLASS

Sphagnum Moss,

\$1 00 PER BALE. 10 BALES \$8.50.

ESPECIALLY FOR FLORISTS' USE.

Swamp Peat \$1.00 per Barrel.

Above always in stock. Give us a trial order.

Z. K. JEWETT & CO. SPARTA, WIS.
Mention American Florist

Insecticide Liquid & Powder Sprayers



WORLD'S FAIR HIGHEST AWARDS

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.



WILKS HOT WATER HEATER.
BEST IN USE
FOR GREENHOUSES, LARGE and SMALL.
All Steel. No Coils or Cast Iron Sections.
SEND FOR CATALOGUES.
WILKS MFG. CO., 123 S. CLINTON STREET, CHICAGO, ILL.

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SPRING POETRY.

(The Poet Dropped Dead, Strangled by the Last Word.)

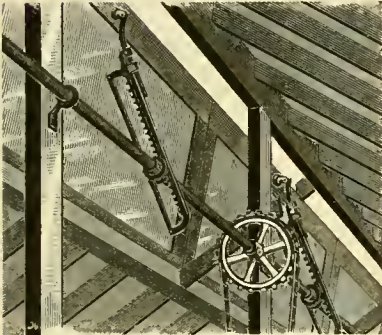
Spring, Spring, blustering spring,
 Baddest season of the year,
 Has come again, with wind and rain,
 And rivers of mud to smear
 The ladies' feet that trips the street
 In search of fashion's latest gear.

Frost and slush, shade and shine,
 Sudden changes ever near,
 Now sun, alas, shines through the glass,
 Fit to boil a keg of beer,
 With the "New Departure" you can stop the torture,
 And regulate the atmosphere.

Or this, as will best suit the occasion:

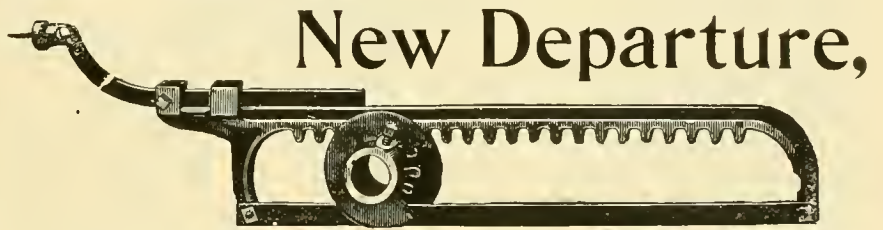
When plants you wish to propagate,
 You will need to ventilate,
 When the sun doth percolate,
 Through your glass too ardently.

The "New Departure" will regulate
 The temperature and cultivate
 A pleasant air to stimulate
 The growth of flowers so healthfully.



THE NEW DEPARTURE ON DUTY.

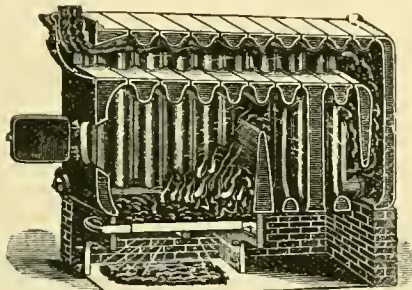
THIS IS THE



Or "Meat Saw" Ventilator.

It is the CHEAPEST and BEST appliance ever put on the market. Send for a Catalogue and get a new idea on Greenhouse Construction.

THIS IS THE



J. D. CARMODY, Evansville, Ind.
**AMERICAN CHAMPION
 WATER HEATER.**

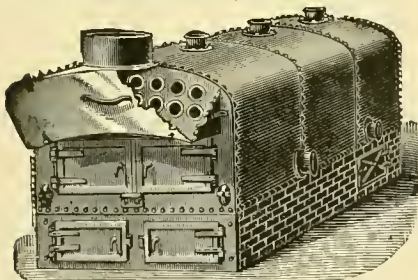
FOR GREENHOUSE HEATING BY HOT WATER SYSTEM.

It is made by a FLORIST especially for Florists' use. It can be enlarged at any time more heat is needed, and it burns soft coal without clogging.

J. D. CARMODY, Evansville, Ind.

SEND FOR DESCRIPTIVE CATALOGUE.

Kroeschell Bros. Co.
 IMPROVED
Greenhouse * Boiler,
 41 to 55 Erie St., CHICAGO.



Boilers made of the best of material. shell, firebox sheets and heads of steel. water space all around (front, sides and back). Write for information.

THE GREAT ANTIPEST.

For particulars, see next week.
R. W. CARMAN, GEN'L AGT.,
 261 Amity Street. FLUSHING Queens Co., N. Y.

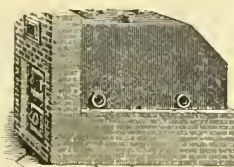
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H. M. HOOKER COMPANY,

57 and 59 W. Randolph Street, CHICAGO.

NATURAL GAS MADE GLASS,
FOR GREENHOUSES.

Write for latest prices.



**GREEN-HOUSE
 HEATING.**

MYERS & CO.
 1518 & 1520 S. 9th St.
 PHILADELPHIA.

Send for catalogue and price list



WHITE DOVES

FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,

850 Montgomery St., Jersey City, N. J.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Mention the American Florist when writing to advertisers on this page.

Iron and Slate.

The following question is referred to me from "E. H.": "Can roses and carnations be successfully raised in iron houses and iron benches with slate bottoms? The slate is one-half inch thick, and is very tight fitting, and seems to afford very little drainage." The fact of the houses being built of iron would have nothing to do with the success or failure of the crops. We would all have iron frame houses if we could afford it, and some of the most successful growers of roses in the country have iron frame houses. I have not yet seen a house in this country with iron bars, but in Europe the iron bar is largely used. The uprights and cross-pieces of the benches, if of iron, are all the better, and all who can afford it are using that material for the frame of the benches. Now comes the part that really affects the well-being of the plants. Slates for the bottom of the benches are only desirable when the plants are grown in pots. They have a neat, clean appearance, and for such plants as palms, ferns, orchids, and many other plants in pots, are just the thing. But where the plants are bedded in soil, as roses and carnations are invariably now, slate should never be used, particularly where the soil is shallow; better to have to renew the boards every year than to use slate. When the roots get down to the slates, which they will do in a few inches of soil, before they have been planted many months, there is nothing in the slate they like. They are repelled by it, whereas they will creep along a board and thrive. Again, "E. H." says, the slates are very tight-fitting; that makes it doubly bad. Even if the boards were closely fitting it would be uphill work to grow roses and carnations on such a bench. All growers now-a-days realize the great importance of having a space of at least three-quarters of an inch between the boards or planks, and these should not be more than six inches wide. Good drainage is half the battle with growing these flowers in the dark days of winter. I can assure "E. H." that under the conditions he has described he would be a wonder if he produced satisfactory crops of these two leading articles.

WM. SCOTT.

J. N. STRUCK & BRO.

Manufacturers of

• CYPRESS •
Greenhouse Material,
LOUISVILLE, KY.



The best and safest
Destroyer

of all kinds of Insects and Parasites infesting Plants and Trees, whether at the roots or foliage

Excellent Wash for Plants, Dogs, Cattle, Poultry, etc., intended for show.

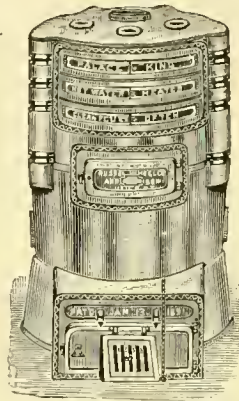
Price \$1.60 the quart tin, \$3.25 the gallon tin.

Sold by the Seedsmen, or at the Mfr's General Depot for America,

August Rolker & Sons, New York.

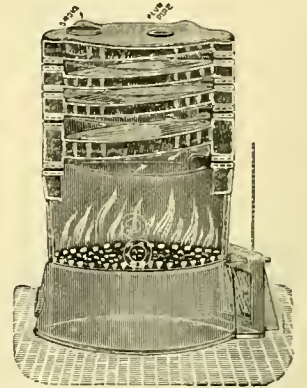
PALACE KING HOT WATER BOILERS

ESPECIALLY DESIGNED FOR GREENHOUSE HEATING.



WRITE US.

Russel Wheeler
and Son,
Utica, N. Y.



FLOWER POTS

The Whildin Pottery Company,

713, 715, 717 & 719 Wharton St., Philadelphia, Pa.

BRANCH WAREHOUSES:

Randolph Ave. and Union St., Jersey City, N. J.

Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Doppfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

OFFICE:
SYRACUSE POTTERY CO. 403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS.

We will furnish you with prices on application, and will fill all orders promptly. Our Pots are excelled by none in the market.

THE PARMENTER MAN'FG CO.,
EAST BROOKFIELD, MASS.



Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere.

CAMBRIDGE TILE MFG. CO., Covington, Ky.

STANDARD FLOWER POTS.
FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

PITTSBURGH CLAY MFG. CO., New Brighton, Pa.

JOHN C. MONINGER CO.

MANUFACTURERS OF

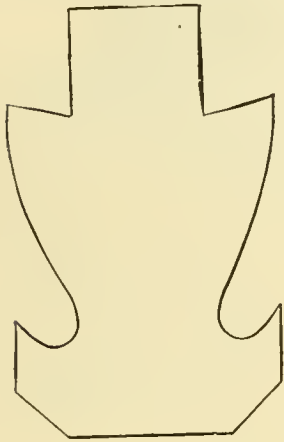
Cypress = Building = Material

FOR

GREEN-HOUSES.

ROSE-HOUSES.

CONSERVATORIES.



We furnish material *cut and fitted ready to put up.* Also plans and details enabling you to *build your own house.*

WE CARRY CONSTANTLY A LARGE AND COMPLETE STOCK OF CHOICEST LOUISIANA CYPRESS LUMBER AND CAN FILL ALL ORDERS PROMPTLY.

297 to 307 Hawthorne Avenue, CHICAGO, ILL.

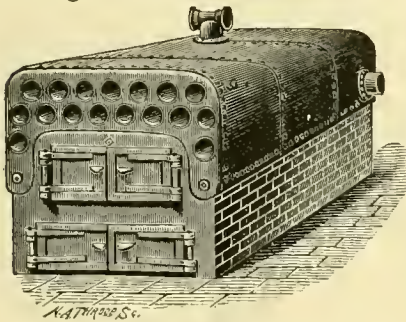
Send for Illustrated Catalogue.

ESTABLISHED 1854.

DEVINE'S BOILER WORKS.

THE FLAT TOP TYPE

Wrought Iron Hot Water Boilers.



Capacity from 350 to 10,000 feet of four-inch pipe. SEND FOR NEW LIST.

FRANK DAN BISH, Att'y,

OFFICE, 69 DEARBORN ST.,

WORKS, 56th & WALLACE STREETS,

CHICAGO.

GLASS

which is absolutely perfect for modern greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates. Satisfaction Guaranteed.

REED GLASS CO.,

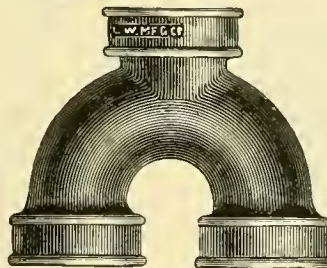
102 South 5th Avenue, NEW YORK CITY.

MAIL

LOCK THE DOOR BEFORE THE HORSE IS STOLEN DO IT NOW.

JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

Greenhouse Pipe and Fittings.



Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

Pipe can be easily put together by any one, very little instruction being needed.

GET THE BEST.

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.

Mention American Florist.

L. WOLFF MFG. CO., 93 to 117 W. Lake Street, CHICAGO.

WRITE FOR ILLUSTRATED CIRCULAR.



Pat. 1882, '85, '86, '88, '90, '91.

FOR WATER, AIR, STEAM, ACID, OILS, LIQUORS, GAS, SUCTION,

And for any and every purpose for which a hose can be applied.

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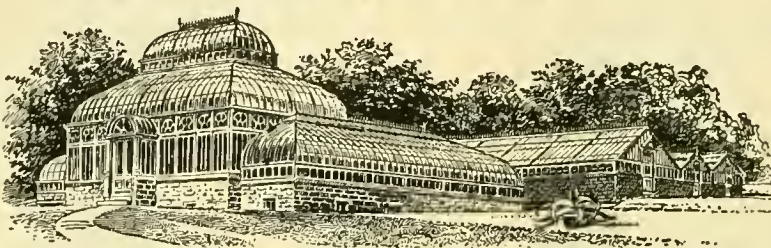
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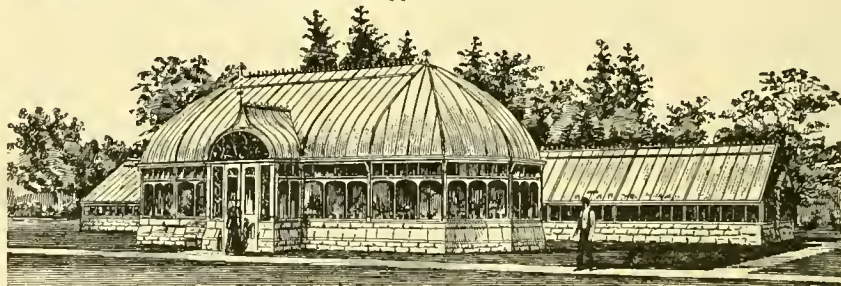
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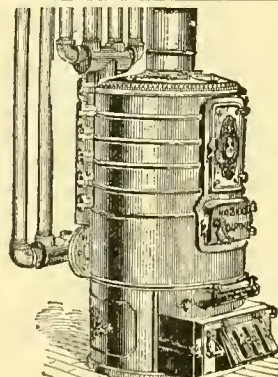
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PLAINVILLE, CONN.—The greenhouses of Mrs. W. Scott have been sold to Frederick Spencer.

MONTPELIER, VT.—The greenhouses of H. J. Curtis have been purchased by W. L. Draper of Berlin.

NEW BEDFORD, MASS.—Lord & Burnham have contracted to build a greenhouse for H. A. Holcomb 16x48.

NEWCASTLE, DEL.—The greenhouses of Samuel Landers were damaged by fire to the extent of \$1500 on March 21.

LOWELL, MASS.—John Chapman, recently with E. Sheppard & Son, will open a florist's store on Bridge street April 1.

BETHLEHEM, PA.—Two greenhouses on the truck farm of H. M. Riehl, with valuable contents, were destroyed by fire; no insurance.

Bedding and Pot Plants Around Chicago

Preparations are now actively in progress for the coming bedding season. Where a business of growing both plants and cut flowers is carried on, and there are many such, we find a bench of violets here and one of carnations or roses there that has already made room for geraniums and other pot plants. From now on until May and June every inch of room counts and will have to be made the most of, so part of the benches given to cut flowers of kinds that have either done their duty already or else won't pay for the room they occupy, are thrown out. Hotbeds are being prepared for bringing forward a variety of stuff now in the course of propagation. Some of these are ready to receive the pansies.

There is quite a difference of opinion among our local growers as the best way of growing pansies. Mr. Dresel advocates sowing the seed about January 1. As soon as the seedlings are large enough to handle these are pricked off into flats, and in spring, as soon as hotbeds can be safely managed, the young plants are set out in these and grown to marketable size. Mr. D. claims that plants grown in this way make finer and more shapely plants than those sown in August and wintered over in cold frames; the former giving much more satisfaction, flowering much longer and giving larger and better blooms than the latter, which are apt to draw up tall and lanky and produce much smaller flowers.

Mr. S. Pearce also grows his annual stock of many thousands under the same treatment with good results. On the other hand E. Wienhoeber & Co. prefer their plants grown in the fall, and Mr. Gregson, the foreman in the city department, who has charge of the planting out, is decidedly of opinion that the best results are obtained by this mode of culture.

J. F. Kidwell also grew his stock in this way last fall, but the foreman informs us that this season's result is not very satisfactory, as many of the plants when uncovered appear in bad shape, but he accounts for this in a measure by the fact that the plants were set in the cold frames too late and were overtaken by the early frosts before being thoroughly rooted in their winter quarters. "Next fall," the foreman tells us, "we shall grow them different; we shall sow the seed broadcast rather thickly in cold frames late in the season so as not to have them too large, and then winter them over in that shape, transplant into hotbeds in spring and grow them into marketable size."

Pansies are in good demand for early spring sales; enormous quantities are disposed of every season, but it is only for about two months (May and June) that these can be depended on to give good results. With the advent of July and hot

weather the flowers grew small and smaller and generally make way for something else.

What strain of pansies sells the best on the market is also a question on which there is a variety of opinion. This of course depends on the fancy of the buyer. Some of these prefer the strain of large flowered varieties such as the Giant Trimardeau, although we have not that variety of coloring in these as in some others. As a rule the buyer is better pleased with fancy colors than extreme large sized flowers; unfortunately the two do not always go together, but take a strain that will produce good medium sized flowers, where in a batch of 50 you will not find two exactly alike, these in the majority of cases will suit the buyer the best.

A. Dresel, C. Held, W. Palinsky, S. Pearce, and a number of others who grow them largely for the wholesale market, give \$2.50 per 100 as the price for good plants, although at times good stock is sold at \$2, and in large quantities at even less. These are sold at retail at from 50 to 60 cents per dozen.

The geranium easily leads the list of bedding plants, and these may be found at the present season in all stages of growth; thousands are still in the sand, while vast numbers are seen growing in 2, 3 and 4-inch pots. Those in 4-inch now will receive another shift into fives and a few into sixes, most of the tall growing varieties being intended for the filling of large vases and stands. The bulk of the stock is sold in 4-inch pots. Very few growers carry over any of their old stock plants, if at all it is more for the reason that a few come in handy where extra large plants are needed for vases, etc. The stock is of course propagated in fall and the young rooted cuttings are tucked away into the smallest possible shape until the proper time arrives for growing them into marketable sizes. How this is done in the very best manner we refer the reader to the author of "Seasonable hints" which regularly appear in this paper, in which he fully covers the ground. It is, however, painfully apparent that a number of our growers have not been as careful readers of these "hints" as they should be, or at least have given little heed to the subject matter as pertains to the growing of geraniums. "How not to do it" is illustrated far too frequently in the shape of drawn and lanky specimens, pot-bound and crowded together until the very life is choked out of them. This is some of the stuff that will make its appearance on the market in due season, destined to grace the bargain counter of some dealer and offered at perhaps 5 cents each, a plant a foot tall in a 3-inch pot. Such stuff does an infinite amount of harm to the trade, as it never can and never does give satisfaction.

As to varieties? Well, here we strike a snag. Some growers, mostly those who grow for the wholesale market, don't pretend to keep named sorts at all, not even trying to keep the colors separate. Mr. Dresel grows large quantities, almost entirely of the semi-double varieties, but without name. Says Mr. Dresel: "The largest share of my stock is grown for the store trade where the plants are retailed singly or in small lots to people who buy a half dozen plants and want as many varieties, and don't care for solid colors such as are desirable for massing for bedding purposes. I find that double or semi-double are the best for my purpose, as the flower will last longer than the single flowered varieties, and this is an important point where you cater to the store trade, as a plant for this purpose is valueless unless you can show it with good bloom." Most all of the other growers for the wholesale market report nearly the same. Although the grower may be able to point out certain varieties by name there is no effort made to grow the sorts separate. Plants in 4-inch pots are the standard size. The price of these averages about \$8 per 100; extra fine lots will bring \$9 to \$10, but the bulk is sold at the former figure, which is considered fairly profitable when the stock is grown in large quantities.

Those who grow more especially for the bedding trade have to be more careful as to varieties, since large numbers are required in given shades of color. Few of the newer varieties are found among commercial growers. Those that are obtained, often through the medium of the parks, where any number of cuttings might be had in the fall of the year for the mere trouble of going after them, are generally lost as regards name among the general collection.

At Kidwell's we find among others such sorts as Gen. Grant, Queen of the West, Souvenir de Maynard, Clifton, Ernest Lauth and Bishop Wood. The leading pink variety is old Master Christine, and for white, of which few are sold, La Favorite. A few of the fancy leaved varieties are grown, mostly as pot plants. Mme. Salleroi is in good demand for bordering.

August Jurgens, who grows for the wholesale market, gives us a few names such as S. A. Nutt, Leon Simon, Ernest Lauth and Mme. Messenier, which he grows largely. E. Wienhoeber & Co. grow but two varieties, Queen of the West and Atkinson, but most of the stock that is required for their extensive bedding trade is bought from wholesale growers, of such colors as the trade demands, the bright scarlets leading all others.

The retail price of geraniums in 4-inch pots is \$2 per dozen, at which figure the dealer is generally expected to set the plants in the beds or borders.

Heliotrope is not greatly in demand as a bedder, but is quite a favorite as a pot plant. When planted out it generally goes into the border where a variety of such other plants as pyrethrums, rose geraniums, lemon verbenas, ageratum, etc. are grown. This class of plants is offered to the trade at about the same price as geraniums, \$8 per 100, in 4-inch pots, and at retail will bring \$1.50 to \$2 per dozen.

Fuchsias are in demand only as pot plants, but as such are grown quite extensively. Both single and double sell equally well. The wholesale price of these also, which are generally grown in 4-inch, is from \$8 to \$10 per 100. But dealers who grow for their own retail trade find it profitable to grow a few into 5 and 6-

inch, which will sell at retail for from 25 to 50 cents each, extra well grown specimens of course bringing even better prices.

Coleus is grown simply as a bedder, there being little demand for it as a pot plant, as the mealy bug soon renders this plant unfit for an ornament in the house. Comparatively few plants are grown by the wholesale dealers, particularly those who cater to the store trade, as little demand exists for them in this line. On the other hand growers for the bedding market are working up quite a stock in anticipation of a good demand which has been increasing year by year.

Cannas of the fancy large flowered varieties are in constantly growing demand and a grower's list is not complete without them. These have almost entirely superseded the old varieties that were grown for the foliage; there is practically no demand at the present for the latter.

One would naturally think that the demand for plants suitable for carpet bedding would be stimulated by the fine displays made at our public parks. Such, however, does not seem to be the case. Most of the dealers, and those too who cater to the best trade, report the demand for such plants as alternantheras, echeverias, etc., as extremely light. This may in a measure be accounted for by the fact that the public at large may enjoy these displays at the parks without cost. On the other hand such plants that may be used for bordering a bed of geraniums and such like, as for instance golden pyrethrum, centanreas and Cineraria maritima are sold quite readily.

Verbenas and petunias are generally treated as annuals by most of the growers; that is the plants are grown from seed. The former is so much subject to rust if carried through the winter that few growers will bother with it, although the plants grown from cuttings will bloom earlier than seedlings. The demand for verbenas seems to have fallen off to some extent, which may in part be accounted for by the fact that a large number of former buyers raise their own stock from seed. Petunias are much the same. There is but a very limited demand for the double varieties, most of those sold being of the single flowered strains.

A few growers give some attention to growing such other seedling annuals as asters, ten week stocks, Centaurea cyanus, marigolds, cockscombs, Phlox Drummondii, etc., for which there is a growing demand.

Mr. Kidwell has grown for the last two seasons some very fine pot plants of calcicolaria. The first season these plants sold readily at good prices, but last year the stock went very slow. Of these Mr. K.'s foreman says: "The trouble with these plants appears to be that the buyer apparently gets little satisfaction with his purchase. In the first place a well grown plant is necessarily quite expensive, and soon after the plant is taken into the room it is infested with mealy bugs that soon destroy it. Therefore few people that buy it once will want it again.

At the present writing this house is starting up some gloxinia bulbs, for which there is a growing demand. We have found nobody in the commercial growing line who has experimented with tuberous rooted begonias, but several are going to give them a trial this season.

The pelargonium is coming right to the front as a pot plant and is grown more extensively every year. The plant always gives satisfaction to the buyer, and for that reason is getting more popular every

year. It is grown quite largely for the wholesale market. A. Jurgens has about 5,000 very fine plants, and other growers are into it quite heavily. At wholesale these plants bring from \$1.50 to \$2 per dozen in 4 inch, and \$2.50 to \$3 in 5-inch pots. These retail at 25 cents each and upward, a few extra well grown plants grown to larger size bringing 75 cents to \$1 each.

A large amount of stuff is used for window boxes, rustic stands and vases. In connection with the latter quite a number of palms, principally chamærops and coryphas, and *Dracæna indivisa* are used. It is for these also that vines and trailing plants are greatly in demand, such as vincas, both the common green and variegated, ivys, maurandias, lobelias, etc.

Packing Easter Plants.

Every plant grower has his own favorite method, simple or elaborate, for packing plants for shipment or delivery, which in his opinion is the best system in existence. At such a time as Easter, when an enormous amount of work must be crowded into a brief space of time, expedients simple and rapid, yet thorough and effective, become a first necessity.

The methods herewith illustrated are those in use at the establishment of Mr. James Dean, Bay Ridge, N. Y., who is



well known as one of the largest and most successful growers of flowering plants for Easter sales in this country. As will be seen the processes are extremely simple, and after a brief experience an employee of ordinary intelligence can put

through a large number of plants in an incredibly short space of time.

Figure A represents a *Harrisii* lily ready for packing, a stake being inserted in the pot and tied up close to the plant. The buds and flowers are first drawn up together and a piece of twisted tissue paper passed around them and knotted, as shown in figure B. Tissue paper is used here for tying in preference to string, which would be apt to cut the flowers. A sheet of tissue paper is then wrapped around the bunch of flowers as in figure C, tied at the base and either twisted or tied at the top, and the plant is ready for delivery in the city. For shipment to a distance a wrapping of heavier paper covering the whole plant as in figure D is added.



With azaleas, hydrangeas, etc., the process is similar. The azalea shown in figure E looks as it appears in figure F after being tied up close, and after papering as shown in figure G is complete. In figure H is seen a hydrangea also ready for shipment.

Araucarias are prepared as indicated in figure I, each tier of branches being tied up separately beginning at the topmost tier and completing the work as shown in figure J, after which a complete wrapping of paper is added as with the plants previously noted. It is necessary that the foliage and flowers should be dry before papering, and where a large number are to be packed paper of suitable sizes

and strings of necessary lengths should be ready cut. In packing plants for express shipment they should be set upright and a little hay, excelsior or other material stuffed around the sides, so as to draw the tops well together. In cold



weather a complete envelope of thick paper is provided, to which a covering of cheese cloth is sometimes added, as it is then less likely to be torn.

Some growers still adhere to the old method of wrapping each individual flower on a lily in cotton or paper separately. This Mr. Dean does not regard as necessary, the principal object in view



being merely to confine the flowers so as to prevent chafing. One advantage of his simpler method is that the dealers can unpack and expose the flowers with but a second's work, whereas under the old method it took considerable time to unpack and to dispose of the litter afterwards.

A precaution which should always be observed in preparing Easter plants, or in fact any plants, for the market is to properly harden them off. As soon as buds are ready to expand, which should be two or three weeks before Easter, the plants should be placed in a cool temperature and kept there until wanted. After going through this treatment they will stand better and give much greater satisfaction to customers than if taken direct from the forcing houses.

Easter Preparations.

The bustle of Easter preparation is now in the air. Wherever we go we are forcibly reminded of the fact. Call on a grower,

his first act will be to usher you into his lily house, where if he has the make up of a true gardener in him, the plants will be all carefully graded as to size, the tallest in the middle of the bed, the shortest on the margin, and then will come the inquiry "Do you think I can hold them back till Easter?" or "What do you think is the prospect for my getting them in for Easter?"

If the grower bought wisely last summer his lilies are mainly longiflorums this time, for when Easter is late, as it is this year, longiflorum is the lily par excellence. Then, too, it makes the neatest pot plant; and it is tough in texture and will stand much more knocking about without bruising than will the true *Harrisii*. This characteristic ability to bear rough handling is more of an item at such a time than would appear at first thought. The plant that will not stand shaking and jarring, that requires a tender touch and a hood of cotton, is lacking in the first requisites of an Easter plant, where time is money and every minute counts. The cost of packing and delivering of some plants amounts to almost as much as the cost of growing them.

This free delivery of goods becomes a serious burden upon a florist at such times. This thought calls to mind a big "department store" advertisement of a year ago, in which Easter lilies were offered at about fifty per cent. less than florists' prices. But there was a big nigger in the wood pile, for at the bottom of the advertisement appeared this warning, "Buyers must carry away their own purchases. We do not deliver plants." It is not difficult to imagine the appearance of those *Harrisii* blossoms on the morning following purchase. But there is a new crop of fools provided for every Easter.

Many florists are too careless about the appearance of the plants they send out. A florist who will deliver plants in unwashed and slimy pots forgets the cardinal principles of his business. Cleanliness, cleanliness, above all things should be the first consideration. Flowers and filth make a bad combination. If you want your customers to respect you and your business, if you want to hold their trade, aim high, observe neatness in every detail, and insist upon it in your employees.

And don't try to do too much. A florist who undertakes to do more than can be done well makes a grave mistake. Customers cannot and will not try to comprehend why their orders are not filled with the same care at Easter as at other times; no excuses will suffice if goods are not delivered on time; and no apologies will atone for misbehavior on the part of extra help hired just for the occasion. There is such a thing as having too much to do, and that means a loss every time. Better let "the other fellow" have the surplus.

Do not fail to fix up some hyacinths, tulips and daffodils in pans, six, eight or ten to the pan. They are easily handled, and best of all, they are sure to sell. Tie about the stems a piece of satin ribbon of a color corresponding with the flowers, and charge for it. If this does not tempt your customers, nothing will.

ANTIRRHINUM MAJUS ALBUM.—Spikes of this old but recently revived favorite were received from W. K. Wood, West Newton, Mass. It is certainly a very handsome thing; the bold spikes of white flowers, touched with yellow on the lip, form a fine contrast with the clear green stalk, and suggests itself as a fine thing to work into a white and gold table decoration.

This seems likely to be a very useful florists' flower, and no doubt will be as great a hit as the swainsona.

Cost of Maintaining a Small Place.

In the FLORIST of March 2, under the head of "wages for florists," among other good points I see the writer says that a man having 10,000 feet of glass 30 years ago had a large place, while to-day with the same amount of glass he has a very small place. The following is what I should like to know through the FLORIST: Can 2 men make their living from three houses each 18x80 feet, which would give about 3200 square feet of benches, one house to be all carnations, one for palms and other decorating plants, one for different plants, so as to have plants ready for the trade all the time? The roofs of these houses are about 10 feet high, which would give about 4,800 feet of glass. The expense connected with this small place seems to be almost too great, so it seems to me!

Expense per year would be as follows:	
Interest on capital and stock 6%	\$ 800
Wages of 2 men at \$10 a week	1,040
Fuel.....	90
Keeping of horse (shoeing and feeding).....	100
Taxes, city and county.....	105
Rent of stall on market.....	75
Help, tending above stall \$3 per week.....	156
Water.....	25
Bulbs, pots, seed, etc.....	250

\$2,641

On these premises, besides the 3 green-houses, are the living house, barn and a lot about 38x100 feet on which to grow all kinds of flowers during the summer. The above to be a retail business. If these houses could be arranged to more advantage would be pleased to have suggestions. At the above rate of expense it seems to me that it would be necessary to grow and sell about \$1 worth of plants to every square foot of bench in the house, is this possible? BUFFALO.

The above communication is from my own town, but I have no idea who the inquirer is. Some of the items seem to me quite fair and reasonable, among these, expenses of horse fuel, water, wages, bulbs, pots, seed, etc. Other items I don't agree with at all. These three small houses could certainly be well built complete in every respect for \$3,000. The interest on that amount would be at 6% \$180. That would leave in round figures \$600 for interest on the real estate investment, which would represent a lot worth \$10,000. Now everybody knows that that would be altogether too expensive a lot for such a small amount of glass and the small piece of land adjoining. I presume that the parties making this inquiry are the owners of the lot, and it must be in a good part of the city or it would not be so valuable. There are several florists here whose greenhouses are on very valuable property. They are paying some interest and heavy taxes, and large sums for local improvements, and if they were to charge to their expense account the amount of 6% on the value of their property the balance would be considerably on the wrong side. But they don't, they only charge on the expense side what the lot is worth for such a purpose. They know full well that every year their land is greatly increasing in value, and if they hold on another ten years they will get well paid for the loss of interest on the land invest-

ment. I believe more florists have become comfortably well off (few rich) by the rise in value of their property than by any profits on what they have grown. Every one knows that you can raise roses, carnations, palms and anything else as well (and even better) on land worth \$100 per acre as you can on that worth \$30,000 per acre. But if you want to dabble in a general business and deal directly with the public you must be where the public do congregate. If "Buffalo" owns a lot worth \$10,000 it must be in a good locality, and there is no need of that stall on the market. You surely can sell the produce of those houses without either store or stall.

About what amount of money can be raised on each square foot of bench surface will depend on what crops you grow, but in the end, when expenses are all figured out, you will find that the profits are about the same supposing the same amount of ability is at work. For instance, if a man had 6,000 feet of bench room on cheap land all devoted to carnations and he produced 50 cents per foot he would be doing fairly well, for one attentive man with a boy could run the whole business excepting a week or two in spring and fall, while the same amount of bench room devoted to a general business, such as "mums" in the fall, followed by lilies and then bedding plants of all kinds, besides all the flowering and decorative plants in season, would require 5 times as much labor and other expenses. Then \$1.50, or even more, per square foot would not be too much. To answer "Buffalo" squarely I would say, with the class of business they are doing and their supposed location they certainly ought to produce at least \$1 per square foot of bench.

WM. SCOTT.



Orchids for March.

March is deemed one of the most prolific flowering months of the year by many growers, and it is no doubt true that the increase of light and heat does stimulate and even concentrate the flowering of very many species during this time. Very many of the East Indian kinds, which would naturally flower somewhat earlier, have been retarded by more continuous low temperatures than their native ones. Others again are stimulated to flower by water, at a season earlier by a good deal than that of the rains. As a rule there must be no resting after the flowering of eastern orchids. The hot growing season advances in the east much as it does with us, but more constantly and surely. April and May are often the hottest months of the year, and also the period of gentle rains; it is not until nearly June that the deluge of the monsoon rains occur, and continue with an occasional break, for three or four months perhaps. This is the time for the roots of most of these plants to get in the work of absorption—to build for future development. This is a general statement of the case, for there are districts which are dry to a degree, when others are wet, yet, most of the Asiatic orchids follow the sun, and so I imagine do the American ones. But our climate and cultural conditions favor the Asiatics better than the South

Americans, and do less violence to their proclivities.

Erides Houlettianum begins to form its buds in the autumn, corresponding with the northeast monsoon. It does not flower with us until March, nor commence growth until May; then it keeps right on growing and rooting amazingly until its flower buds appear about November. It is rather dingy in color, but remarkably fragrant, and unique (so far as I know) in its mode of growth, which is horizontal, curving upwards at the ends a little like a sickle, under glass. *Angraecum citratum* and *A. Sanderianum* are two dainty orchids, flowering at this season, but of little use to the florist. *Cœlogyne cristata*, and the green-flowered *C. Parishii* give good returns in the way of flowers. *Cymbidium eburneum* also is a most useful orchid, with large fine white flowers, sometimes more or less spotted with color, fragrant, and enduring if care be taken to keep them dry and unbruised.

Cypripediums are in plenty, *C. Boxallii*, *chloroneurum*, *Lecanum* and the varieties of *villosum* are probably as useful to a florist, however, as many others which captivate certain buyers who dearly love to have the dollar sign associated with their name.

Dendrobiums are in great force, among the best are also *sanguineum*, *Brymerianum*, *chrysotoxum*, *Dalhouseanum*, *densiflorum*, *Devonianum*, *lituiflorum* and its remarkable varieties, *Freemanii*, *nobile* and *Pierardii*, both in many varieties, *superbum* in varieties, *tortile*, and *thryisiflorum*. The latter species, however, is quite variable in its period of bloom. Several *phalaenopsis* are in good flower at this season, but they are not florists' orchids. *Vandas* also such as the *Amesiana*, the remarkable *Cathcartii*, *suavis* and *tricolor* varieties will be in good flower for those who care to furnish them with room, fuel, and attention.

Among *cattleyas*, *Trianae* still holds the fort, for bigness, and the fair certainty of a paying crop of bloom from an importation. Some of the yellow throated varieties of *C. marginata* are dainty little things, which continue flowering from November until March. The finest varieties of these I have seen were sent to the country in a little haphazard parcel some years ago. *C. Schilleriana Regnellii* varieties are also superb if you can flower them. They prefer to grow during winter, but often make a spring growth also. The flowering growth is from November to March. The rooting quite irregular in some seasons, but fairly continuous from May to July in others. *Chrysis* and *epidendrums* of various kinds flower at this time. So also does *Laelia harpophylla*, and some others of less merit. *Lycaste Skinnerii* in a number of shades of color is an easily grown, easily propagated, useful and cheap orchid. Some of the *miltonias* are also good, such as *candida*, *spectabilis*, etc.

Odontoglossums are beautiful no doubt, but I would not sink a year's profits in them if I were you. Some varieties of *Pescatorei* said to be from Venezuelan territory were among the finest of the *crispum* breed I have ever seen, and they seemed hardier in constitution too than those from further south, but there, you can never find out anything really definite about those South American orchid stations. The governments don't keep "Farmer Dun's" in their back woods. *O. Roezlii alba* is a fine thing, and easy to keep in a warm house. Among *orcidiums* few can surpass *sarcodes*; it must be frequently imported, however, and you are



MR. W. R. DAVISON'S VIOLET HOUSE, NYACK, N. Y.

apt to get pubes in among it at that, if indeed the plants don't bear both species of flowers. How is that, my botanical friends? *Pilumna fragrans* is a good little orchid, and so is *Trichopilea suavis*.

Trenton, N. J. JAMES MACPHERSON.

Palm Notes.

The season of active growth for most plants of this very useful family has now begun, though the time for its beginning varies considerably with the different species, and also in accordance with the conditions under which the plants are grown. For while the usual list of trade palms do not require absolutely exact conditions of temperature, light, and moisture in order to obtain reasonably good results, yet it is quite evident that where a few dozens of assorted palms are grown in company with a general assortment of retail florists' stock, the conditions are not just as favorable for their best development as when an entire house can be devoted to this line. It will also be understood that when speaking of the lack of growth in palms during winter, it will only mean in a comparative sense, for most young palms can be induced to grow somewhat even in the dullest season, though the forcing of growth at that time cannot be highly commended. Young *latanias* are, however, somewhat obdurate in this respect, and when forced too much will become very spindly and weak, and later in the season will form

quite a contrast to those that have had a reasonable rest during the winter, and followed by proper encouragement to grow in the shape of a shift and liberal treatment during the summer. In fact in the experience of the writer, there seems to be little or nothing gained by potting *Latania borbonica* between November 1 and February 1, and quite a little risk to be taken in the possibility of overwatering and consequent souring of the soil.

The same rule applies to *Areca lutescens*, which is if anything more tender about the roots than the *latania*, but *kentias*, *Seafortbia elegans*, and *phoenix* of the stronger growing species, if much pot-bound, may be shifted during the winter to advantage, for either of these when allowed to get yellow from starvation takes a considerable time to recover its proper color. *Cocos Weddeliana* being a rather light rooting species does not need a large pot at anytime, but will preserve its deep color much better when given a light shading even in the winter, and also requires thorough syringing to prevent red spider from getting a foothold, for once established on a *cocos* this little pest is very hard to dislodge and will soon play havoc with the foliage. This species also does not enjoy repotting in the winter, its root action being rather slow at that period.

Rhapis flabelliformis and *R. humilis*, both of which are admirable house plants, the first named being almost as tough as an *aspidistra*, do not make much prog-

ress during the winter, and in fact are not rapid growers at any time, and in addition to this it is an unfortunate fact that we have to depend on division of the growths of these palms in order to increase the stock. This process being too slow for the average American florist almost the entire stock of *rhapis* are imported, and these various difficulties naturally tend to keep the price of good specimens rather above the popular level.

Kentia Canterburyana is among the handsomest and most serviceable of its genus when well-grown, but this also has the fault of extremely slow growth, and consequently is not likely to become a popular palm, for to be a paying plant to grow *K. Canterburyana* should bring treble the price of *K. Forsteriana*. *Kentia McArthurii* had a small boom a few years ago, but is seldom seen now, though a meritorious species, and of reasonably rapid growth. It is a pinnate leaved species, with gracefully arched leaves, the tips of which are rather blunt and toothed, bright green in color with the under side much lighter. Warm house treatment, such as would be suitable for *Areca lutescens*, is most satisfactory for *Kentia McArthurii*, and an abundance of water is one of the requisites to success in its culture.

The new crop of palm seeds will now begin to arrive, *Cocos Weddeliana* being among the first to appear, and it may be well to repeat the injunction that immediate sowing is the best method to adopt

for these seeds, and that it is always advisable to give them a little bottom heat to assist germination. For the benefit of beginners in this line of work it may also be remarked that a variation in the size of seeds of *Cocos Weddeliana* as received from the seedsman need not cause any alarm, for such a condition does not prove any foreign admixture among the seeds, the nuts of these *cocos* varying from the size of a pea up to three quarters of an inch in diameter. The period of germination also varies considerably with *cocos*, in some instances being only about a month, while in others it may occupy three or four times as long.

W. H. TAPLIN.



Carnation Notes.

I have received several inquiries from intending builders during the past week as to the best style of house for carnations. If I were to put up a new house it would be exactly like the last one built for the F. R. Pierson Co. at their Scarborough place. This in my opinion is an ideal rose house, which means that it is an ideal carnation house. But in making this statement I do not wish it to be understood that I condemn the short span to the south or the full span, or the house running north and south, or a house made of small light sash, for I am a firm believer in the old saying that "It lies more with the man than with the house." One grower asks me if it is advisable to connect three houses. To him I would say, no. I have had experience in this matter and I do not like it; better have ten feet between the houses, and twenty feet is better still. Pierson's latest house has no plate on the south side, nothing but a one inch angle iron, therefore the south bench is as good as any in the house. The glass on the roof runs over the edge, and glass on south side butts up under the roof glass, very simple. Paul Pierson had hard work to convince the builders that the required strength could be obtained in building on this line, but Paul was right, and he has the most complete and best arranged house for roses or carnations which I have ever seen. Of course this house is expensive, as it is what is termed an iron house. Now to any who intend building two or more houses I would simply say that the best way to get points on building is to go and see this house or one built on the same plan. As to heating, I am using steam, but this does not mean that it is the best; for a small place hot water is preferable, as it does not require the attention that steam does. If I should adopt hot water I would get a horizontal tubular steel boiler and use two-inch pipes—hot water under pressure.

Uncle John again to front! so many would say if they could walk into the house filled with this variety that I saw yesterday. It has rust on it, has had it all winter, quite bad too, but grand flowers are now being cut, and I find that quite a number of growers who threw out Uncle John in the late fall because of the rust, and who have seen other lots that have been bearing well all winter, are now kicking themselves for their mis-

take, I did it along with the rest, and what few plants were left don't show a particle of rust now and are doing well. Try it again.

Alaska did not get a certificate at Boston, but as I saw it at Chitty's the other day it was fine. Nicholson, Fisher and I thought enough of it to bring some cuttings away with us. Somehow it seems to make but a medium size plant, but we noticed that plants that would be called small had eleven to fifteen stems where flowers had been, and the foreman for Chitty did not dare tell us how many had been cut from the larger plants—said we would not believe him. I believe Alaska is all right.

There will be a host of new ones next year. Dailedouze Bros. have got one, another pink, light color, fine form and such a keeper! ten days in my office, then I threw it out because it wasn't mine. The shade of this pink is peculiar; when fresh it might be termed flesh color; it is different from any pink yet on the market, and will be given a good trial next winter and that will tell the story, for if it is a good bloomer and sells well it is all right, as the stem, form and make-up of the flower are all that could be asked.

One month more and we will begin planting outside; in beds for hand cultivation or in rows two to three feet apart and let a horse do most of the work? that is the question. I planted last year and have always planted in the latter way; this year I shall try both, so that if we have a dry season the windmill can be kept busy flooding the beds. The past two seasons have been very dry here, and the plants have suffered in consequence. I don't intend to have Mr. Drouth get hold of my stock again.

CHARLES H. ALLEN.

American Carnation Society.

The American Carnation Society has addressed the following letter to all the Florist Clubs whose addresses it could secure:

It was proposed at the last meeting of the American Carnation Society held at Boston, February 21 and 22, 1895, that the raisers of seedlings and disseminators of novelties, when they believe they have secured one or more varieties of merit and worthy of distribution, be requested to forward not less than twelve plants of each variety to some of the most expert and reliable growers in different parts of America, and that each Florist's or Gardeners' Club be invited to appoint a committee of three, to be composed of two growers and one retailer. These plants to be examined at intervals during the season, and said committee also be requested to inspect on invitation any new varieties originating and growing in the vicinity where a club is in operation.

This committee to make a full report concerning the soil, position and style of house in which they may be growing, night and day temperature, and in fact, all points of interest which are likely to be of benefit to the trade at large. Said report to be read at the next annual meeting of the American Carnation Society.

Any club who has not received one is requested to communicate with Mr. Albert M. Herr, secretary pro. tem., Lancaster, Pa.

Carnation Crimson Sport.

In a recent issue of the *FLORIST* Mr. Allen questions the propriety of calling "Crimson Sport" by that name, stating that it is a "maroon." It is often difficult to exactly determine the color of a flower unless it is compared by some standard. We have Brauuard & Armstrong's standard colors, and by this guide it certainly is not maroon, crimson being the nearest we can get to it. J. L. DILLON.

The AMERICAN FLORIST is planning to present to the trade as a supplement to

the paper a standard chart of colors, prepared expressly for florists' use by Mr. F. Schuyler Mathews. It hopes to have the matter ready for the convention number next August. We anticipate that this chart will do much to establish uniformity in color descriptions.

SEEDLING CARNATIONS seem plentiful, but improvements still continue. We recently received two new varieties from R. Witterstaetter, Sedamsville, O. One was a clear yellow, faintly marked with pale carmine at the edge. It was a large flower, coarsely fringed and extremely double, high built in the center. We were strongly impressed by this; it was distinct and promising. The other was flesh pink, delicate yet full of life, the flower smooth edged and even in shape. This was also very full and high built; both were robust in stem and growth. We believe neither are yet named.

SOME SEEDLING carnations recently received from Hopp & Lemke, East Grand Rapids, Mich., were remarkable both for size and beauty of color. Among them was the beautiful red recently mentioned in the Chicago market reports, which for size and brilliance excels any other now coming into our market. It is not a scarlet, but an intense red, and the eagerness with which it is purchased speaks well for its commercial value. We believe it is as yet unnamed.

Soot.

In the last issue of the *FLORIST* our friend Scott answers "Subscriber's" question as to whether soot used as a liquid is of any benefit to carnations or other blooming plants. I have had fifteen years' experience with soot as a fertilizer, and have used it in large quantities on a very large range of plants, both dissolved and in the dry state mixed with the soil. For most plants I prefer to have the soot mixed with the soil; as to how much would be beneficial to any plants would depend largely on the condition of your soil and the color of the flower of the plant to which you wish to apply it. A plant with a scarlet or white flower will absorb a large quantity, while some varieties of pink will stand but very little. Fourteen years ago I had two houses of carnations which I treated to a very liberal mixture of soot in the soil (about one-seventh part of soot). This does not include the large amount of soil taken up with the plants, which had large balls. Two such productive houses I have never seen before or since. I had at that time quite a large number of varieties in the two houses. All but two were greatly benefited by the soot treatment. The two exceptions were both pink; one of them Chas. Sumner, the other one that I grew for a dozen years or more, which was afterwards called Chas. Sumner by parties who never saw the two together. The growth that these plants made was phenomenal, and the color put on them by the soot wonderful. Chas. Sumner had the appearance of having been dipped in a solution of pulverized bricks; the color was changed from a very pleasing shade of pink to a mixture of light and brick red. The other pink variety was changed to a clear brick red. Neither one would sell. I tried the effect of soot on a lot of carnations last year. Daybreak is the only pink variety that was benefited by this treatment. No one would ever know the Wm. Scott carnation after being treated to a liberal dose of soot. I would advise every one intending to use soot on pink carna-

tions (except Daybreak) to go slow till you see what effect it produces on the color. I have tried the method of dissolving soot by putting it in a sack and putting the sack in a barrel of water; after letting stand a day or two I found the soot as dry as ever. My method is to take about two-thirds of a barrel of soot, then get a water pail full of fresh lime, put it in the bottom of the barrel, then pour in about ten gallons of hot water. This will about fill the barrel. Cover the top of the barrel with several thicknesses of old sacks, let it stand till cold, then fill the barrel with water. Use two pails of this mixture to a barrel of water.

J. T. ANTHONY.

Swainsonas.

Young plants of this now popular plant will give you more bloom if grown in medium sized pots; when planted out in a bench, especially if allowed a rather deep soil, they will at first grow too rank and produce their flowers very sparingly while in pots, with roots confined, they make harder wood and bloom more freely. After the first year's growth in pots the plants will be fit to be planted in benches or even in solid beds, where they can have plenty of head room, and will there produce flowers more abundantly than the first season. They may be left in the same beds for some years and will improve by age, all they require is an occasional top dressing when the soil is exhausted and a severe pruning once in a year. Before pruning be sure that the bed is dried off, and let the young growth be well started before giving any water. As growth gets stronger apply more moisture, and in six or eight weeks the first flowers will show up and continue to come for many months. Swainsonas require a very light position to do their best, and absolutely refuse to bloom in a darker corner. I have noticed a number of places lately where the owners have experimented on a small scale with them, planted on a side bench, which was rather shaded, and the result was disappointment; had they allowed them an end bench in a rose house with no obstruction of light the bed would have been a success.

While in Europe a few summers ago in one of the watering places I noticed a frame about 200 feet long, all planted with old stocks of white and rose colored swainsona that had evidently not been disturbed for some years, and on inquiry found that in late fall, after hard frost had cut down the plants some, the whole frame would be filled with dry leaves to the depth of 12 or 15 inches and then boards or shutters laid over the whole frame to keep snow and water out. In spring, after uncovering, the plants would be cut down to the ground and soon growth would begin. I think for many localities this plan would be successful in this country, and especially would it be desirable in establishments where quantities of such flowers are wanted during summer or fall months, for these plants do not stop blooming until severe frost. It was at that time I purchased plants of both the rose and the white variety, and have grown them ever since, but as we only have a local trade never grew them in quantity. The colored variety we found to be more free in producing its flowers, the plant being shorter jointed and more compact in growth. The individual flowers are a trifle smaller than the white, but desirable in every respect. We also found that cuttings of it will root more freely than the white.

Rochester, N. Y.

J. B. KELLER.

Spring Exhibition of the Mass. Horticultural Society.

The spring exhibition, which was held on March 25-28, was in some respects a notable one. The display of tulips and hyacinths at these spring shows has been decreasing in extent each year. Azaleas, a few years ago, formed a leading feature of the display, but these too have come to occupy a minor place. There was no vacant space, however, for the hall was well filled with displays more promiscuous in character and possibly more interesting to the average visitor.

Cut blooms of roses and carnations were on this occasion in larger quantity than for some time past, there were more contributors, and a distinct advance in quality was noted in carnations particularly. Cyclamens occupied a prominent place and cinerarias were uniformly excellent. The arrangement of the exhibits was exceedingly effective, the bold massing of dazzling colors making a picture brilliant in the extreme.

Well grown hyacinths and tulips of the leading varieties in pots and pans were shown by D. F. Roy, gardener to E. S. Converse, Kenneth Finlayson, gardener to Dr. C. G. Weld, and Chas. J. Dawson, gardener at the Bussey Institution. The leading feature, however, in the bulbous section was the collection of fancy narcissi in the general display of W. S. Ewell & Son. It is several years since a group of these so excellent has been seen here. Lily of the valley was also well shown by Thos. Butterworth, grower for C. J. Power.

The cyclamens made a sensation. They were shown by Geo. M. Anderson, Dr. C. G. Weld and John Barr, Mrs. B. P. Cheeney's gardener, and in the whole lot there was not one that might be called even an ordinary plant. Mrs. Cheeney's plants, of which there were about forty in 10 inch pots, were remarkably regular and showed a wide diversity in color. Mr. Anderson's, too, were large specimens more heavily bloomed than those from Mrs. Cheeney, but less uniform in size. Mr. Finlayson's were smaller plants but well nigh perfect in form and in abundance of bloom. Enormous cinerarias were also shown in brilliant array by these exhibitors and by John L. Gardner and James Garthley. Hardy primroses were shown by several parties, but with the exception of those from J. L. Gardner there were none that equalled former displays of these favorite plants. Dr. Weld's auriculas were of a quality not seen here since the palmy days when David Allan used to set the pace. Tritonias of unusual excellence were also in Dr. Weld's group.

One of the most comprehensive exhibits was that shown by the Bussey Institution. There were philadelphus, lilacs, rhododendrons, kalmias, spiraeas, forsythias, viburnums, Indian, mollis, and Ghent azaleas, ericas, ranunculuses, longiflorum lilies, polyanthus and bulbous stock in great profusion. Three plants of *Primula obconica* from David Nevins were pronounced the finest ever seen here.

There were two magnificent stands of orchids. One from Wm. Robinson, gardener to Mrs. F. L. Ames, was especially rich in *Odontoglossum crispum* in rarest forms, *masdevalleas*, *cattleyas* and *miltoniopsis* and could not be duplicated elsewhere in this country. One of the gems here was *Cypripedium Rothschildianum* bearing three spikes of three blooms each. The display from John L. Gardner's comprised a fine collection beautifully arranged, in which dendrobiums in variety and *cœlogynes* predominated.

Edward Butler again demonstrated his ability by staging a specimen *Dendrobium nobile* bearing over nine hundred expanded flowers. There were several other smaller groups, among which was a collection of rare dendrobiums from David Allan, Rollison's variety of *D. nobile nobilissimum* shining out resplendent. *Ouvirandra fenestralis* from E. S. Converse was domiciled in a tank at one end of the hall, but this once prime attraction has apparently lost its potency and received but little attention.

Arranged with great taste in the centre of the lower hall was a miniature forest of specimen acacias, genistas, chorozemas, boronias, eriostemons, diosmas and pyramidal azaleas, contributed by N. T. Kidder, J. L. Gardner, Dr. Weld and Edw. Butler, the central figure of which was a ten foot standard *Acacia pubescens* with a broad symmetrical head forming a perfect fountain of yellow bloom.

Taking a look at the cut flower department we find a big exhibit of superb hybrid perpetual roses from David Nevins; from James Comley an extensive collection of hybrid perpetual and a promiscuous lot of choice bloom, including a clematis from seed collected by him in Japan, a very rapid grower said to be hardy, and bearing a profusion of white flowers of medium size; from W. H. Elliott, C. V. Whitten, J. P. Spaulding, Thos. Meade and the F. R. Pierson Co., Bride, Mermet, Bridesmaid, Meteor and Kaiserin Augusta roses with stems both stout and long; from the F. R. Pierson Co., a group of cannas, including two handsome seedlings named F. R. Pierson and Sunshine; from H. S. Rand, D. Nevins, N. T. Kidder and others, violets of finest quality; from the Harvard Botanic Garden an interesting collection of *sarracenia* blooms; from R. S. Fay, fancy pansies of unsurpassed size, form and color, and from W. H. Elliott a graceful festooning of *Asparagus plumosus* over the stage.

The carnation men were out in force and made a most creditable showing of all the standard market varieties. The principal contributors were Wm. Nicholson, Jos. H. White, F. O. Blake, Mrs. E. M. Gill, Sewall Fisher, and A. H. Fewkes. The specialties were a lovely pink seedling from J. H. White, white seedling and enormous *Hectors* from Wm. Nicholson, and the new white *Crystal*, for which Sewall Fisher was awarded a certificate of merit. List of prizes awarded will appear in our next week's issue.

Prominent visitors to the exhibition were Louis Menand, Albany, J. S. Taplin, New York, J. F. Huss, Lenox, E. O. Orpet, Lancaster, and A. Ingram, London. Mr. F. L. Harris of Wellesley was greatly missed, he being confined to his home by an attack of grip.

Mr. Wm. E. Doyle will address the Gardeners' and Florists' Club at its next meeting, Tuesday evening, April 2.

Abutilon Souvenir de Bonn.

This is of German origin, and the proper name is *Andenken an Bonn*, but we have it here under the first mentioned name, and I suppose it will stick to it. We have grown it for three years now, and can recommend it in every respect. It is better as a pot plant than any other *abutilon*, growing more compact and bushy, and may be used as a foliage or a flowering plant. When planted out on the lawn it resembles a dwarf variegated maple, and produces a splendid effect when mixed in with subtropical plants, either in a border or in beds. The plant is good all around. As a decorative plant in pots

for fall and winter decoration, I think it will be used extensively, especially at Christmas and New Years. We can grow them to any required size in one season, merely by constant liberal repotting when required for the larger specimens, or by keeping them in smaller pots for the dwarfier plants. The habit of the plant naturally is very branchy, and by a little judicious pinching in summer we may have perfectly compact round plants, but if left alone and allowed plenty of room all around a perfect pyramid will surely be the result. Takes small plants anytime in June and July and plant at once into 6-inch pots, sinking the pots in the open ground to the rim, allowing plenty of space between each for the tops to develop, part of the plants may be pinched back if some short, compact plants are wanted. In a short time the pots will be filled with roots and an occasional dose of manure water will then be beneficial. About September 1, they may be potted into 7 or 8-inch pots, and placed in a cool airy house until they are sold.

About potting such small plants into 6-inch pots at once, I had a good many controversies with florists, who think it is against the rule. Certainly it would be against the rule if it was done in the houses in fall or winter, when room is scarce and when plants grow but slowly, but I consider it an advantage for outdoor culture, for so-called soft stuff in summer, when every part of a plant is in full action. If nothing else is gained we surely save the labor of several repottings and the replunging and handling over the pots a few more times, and I find that many soft plants will do better for us when treated in the beginning of summer to a liberal repotting than the same stock would do if only an ordinary shift, according to the so-called rules, was allowed them, even if repeated at exactly the right time, for the plant will be disturbed more or less at every repotting no matter how carefully the operation may be performed. This however is only a personal fancy, and it may be left to everybody as he thinks best; if you prefer to repot from size to size, well and good, but you will not in my opinion gain anything by it.

Rochester, N. Y.

J. B. KELLER.

New York.

There is at present an enormous oversupply of cut flowers in this market. This applies to roses especially, which are being heaped in by wagon loads from all the rose producing districts, and includes the high class American Beauties and hybrids, as well as those of more humble type. Some idea of the abundance of roses may be formed from the fact that from one town alone, Madison, N. J., there were shipped to New York wholesalers on Monday no less than 184 boxes of roses. The buyers, from the proudest store down to the humblest peddler, all seem to be actuated by one impulse just now, and that is to make life a burden to the wholesaler by hammering to pieces the prices which had already been hammered out of all reason. Between the tormenting by the growers in the fall and the buyers in the spring it is a wonder that the poor wholesaler has any life left in him.

Over at James Dean's the usual preparations are being made for a big Easter business. As compared with last year the most noticeable point is the small proportion of genistas being grown. Lilies have not proved as satisfactory for Mr. Dean as in former years, for he got more than his fair share of diseased stock. He estimates that he lost not far from 40

per cent. of his bulbs from this cause, and it is not surprising that he is outspoken in his wrath. Who wouldn't be, under the same circumstances? He will have some magnificent ericas and rhododendrons in for Easter, and among the novelties being grown for this market for the first time are a quantity of neat little plants of *Boronia heterophylla* covered with their pink blooms, also a nice lot of *Bougainvillea Sanderiana*. It is about settled that Mr. Dean will have to move this year, as the route of the new shore drive-way lies directly through his establishment.

A training school in practical horticulture for deaf mutes is to be established under the auspices of the New York institution for the Instruction of the Deaf and Dumb. It is said that a well equipped set of small greenhouses covering a space 60 by 142 is to be erected for this purpose by the Lord & Burnham Co. at 165th street and Fort Washington avenue.

George Stump's new retail store opposite the 5th avenue and 57th street entrance to Central Park is at last ready for occupancy, after many vexatious delays caused by strikes in the building trades. The store is a magnificent one, but as George has expressed his intention of having a grand opening within a few days a detailed account of the establishment is deferred until that time.

J. K. Allen, who has been in business on 24th street for a number of years, as a wholesale commission dealer, has joined the procession, and taken a commodious store at 57 West 28th street, where he will open business about April first. As we have remarked before, 28th street is "getting there" rapidly.

Buffalo.

A few beautiful spring days have made us all feel better, and like other hibernating animals the poor florist is feeling quite frisky when the thermometer goes up to 40° in the shade. How varied and perplexing are our individual interests, all in the same individual too. You walk into a house and look at a lot of azaleas almost in full bloom. Will they keep? Yes, if we have dull weather. Then you strut into a house filled with lilies. They look backward, hardly be in unless we get bright warm weather, and then you begin to think about the azaleas, and then it dawns on you that you don't know much, and that invariable tired feeling comes over the whole business. Such is the experience of many of us at the present time. I am going to have a look at the different establishments this week, and can then report how they look.

Flowers are quite plentiful now, yet not in any such quantity that many are going to waste. The bright days of late have helped roses greatly. Palmer & Son are cutting a heavy crop of short stemmed American Beauties just now and selling them at very popular prices. A walk through the model private establishment of Mr. G. H. Lewis, where Mr. Fitzgerald is gardener, revealed to us a well kept place, everything in order and thriving, and considering the time this fine range was completed (October last) remarkably well advanced. We hear that Mr. Lewis contemplates the erection of a grand conservatory very close to his residence. We trust it will materialize, for that is what is sadly lacking in our progressive city. The more thoroughly well kept private places there are the more will the love and education in flowers be spread among the community.

A sad incident of the week for some of

the frivolously inclined was the two days' visit of Peter Crowe of Utica. He seemed to have no particular business except to show some of the would-be bowlers how to bowl; 56 inches around the chest, No. 9 hat, No. 11 shoe, and tips the scales at 298 pounds. He is truly a wonderful man, but with all his marvellous physical advantages "poodles" are the result of his efforts on the alleys. We were busy moving lilies all the time he was here, but we could hear the noise of the roll-call here in July. We are willing to give him a few lessons on the curves. W. S.

Chicago.

Stock is decidedly more plenty, and although as yet no actual glut may be said to exist still the supply in some lines is more than can be disposed of in the regular channels of trade. As a consequence the fakir, as well as a number of department stores in this and other cities, are once more coming to the front. Some of these are quite heavy buyers and as a rule clean out a lot of stuff not otherwise salable. Of course under these conditions there is more or less cutting of prices, which latter have on the whole been better sustained than might be expected. The regular quotations on first-class stock of the larger teas is from 4 to 5, and of the smaller varieties 2 to 3. Job lots at thousand rate are going at times for much less.

Beauties have weakened considerable and have to be extra select to bring \$4 per dozen. Fine stock is offered at \$2 to \$3. Hybrids are in good supply and move fairly well; of these Brunners are in best demand. Luizet is very fine but doesn't take as well as Brunner. The best selected quality bring \$3 per dozen and good medium \$2 to \$2.50.

The supply of carnations is heavy. Fancy, unless extra fine, go at \$2, and good commons at \$1 to \$1.50. The demand for these is quite steady and although the cut at present is very heavy there is no great accumulation of surplus stock.

There is a good deal of speculation as to the Easter supply. Harris is of course one of the main features. Some well informed parties who claim to have canvassed this vicinity thoroughly estimate the output at about 50,000 for Easter week. If such is the case there should be plenty to supply all demands that might reasonably be expected. It is more than likely, however, that the cut will not be nearly as large. If we judge correctly much of the stock intended for the Easter trade will come in much too early, while on the other hand one large grower who usually supplies about 10,000 will be in too late with the bulk of his cut.

Bulbous stock is still scarce and what little is still left is evidently held back for Easter. But this stock is small at best and will not cut much figure on the market.

Mr. Joseph Curran will open up a neat little store at 157 Wabash avenue April 1. Mr. C. has the best wishes for success from his numerous friends and associates.

The preliminary premium list of the Horticultural Society of Chicago for the exhibition of 1895, November 5 to 9, has been issued. Anyone who has not received it may secure a copy by addressing Mr. W. N. Rudd, room 202, 185 Dearborn street.

Mr. H. A. Bunyard is at the Continental Hotel, confined to his room by illness.

The plans for beautifying Jackson Park, prepared by Mr. Olmsted, have been

accepted by the park commissioners. These plans include a system of lagoons extending the entire length of the park, 24 acres of tennis courts on the site of the Manufactures Building, and 60 acres for a ball field. The Wooded Island will be left as it was during the fair, and a number of small islands will be formed around it. The entire plan will be magnificent when fully carried out.

Recent visitors: A. V. Van Zanten, of Van Zanten & Co., Hillegom, Holland; J. Austin Shaw, representing Siebrecht & Wadley, New York.

Philadelphia.

Things are very quiet just at present, there seems to be more than enough flowers for the demand, and such fine stock it seems very hard to see it go to waste, after having passed the various ills and arrived at such perfection. We are inclined to believe that the fault for this state of affairs rests with the retailer; he should be able to handle larger quantities of flowers, as the price comes down, for flower lovers will buy flowers when they can get them cheap. A very large class scarcely ever indulge in them except at low prices, and others who are accustomed to purchase only the best at high prices are often induced by the reduction to buy when they have no particular use for them. Of course the grower should lend his assistance by making a uniform lower rate to everybody, according to the quantity taken, rather than getting all he can out of the regular channels and taking what is given him from the scavengers after his regular customers are supplied.

The mighty Brunner has taken a tumble and may now be had for \$4 per dozen for the first selection, the other grades bringing \$3 and \$2 for the same quantity. Butler of Chestnut Hill has for some time past been sending some very fine stock out from a low sash house, and several of the growers are wondering how much longer his house is going to last. Burton, Anderson, Heacock and Smith & Whitley are also cutting Brunners. Lonsdale has a few moss roses, which sell well. Baroness and Laing are also to be had in limited quantities at \$3 per dozen. All the large teas are selling for from \$5 to \$8 per hundred, with a few extras at \$10. The smaller stock go for \$3 to \$4. Carnations are getting plentiful but don't weaken much, selling for \$1.50 to \$2 for good flowers, while a few extra fine are quoted at \$3 to \$4. Sweet peas are still scarce at \$2 to \$3 per hundred. The best are very good. Valley, hyacinths, Romans and daffodils bring \$3, Harrisii lilies \$8 to \$10, callas \$8 to \$10, mignonne \$2 to \$3, smilax \$15 to \$20, asparagus \$35 to \$50.

The American Dahlia Society was organized Wednesday evening, March 20, at Hotel Hanover, this city. The following officers were elected to serve for the ensuing year: Robt. Kift, president, H. F. Michell, vice-president; L. K. Peacock, secretary; Frank C. Bruton, treasurer. An executive committee was also elected consisting of the following gentlemen: A. Blanc, chairman, Howard M. Earl, H. G. Faust, David Rust, C. H. Allen and Frank Bassett. The object of the society is to boom the dahlia. An endeavor will be made to induce horticultural societies to hold an exhibit of these flowers in September. There are many amateurs who grow largely and are much interested in this flower, and since the cactus type has been introduced there are many beautiful

varieties that are found exceedingly useful for cut flowers, and it is therefore believed by many that there is quite a future for this garden favorite.

The Florists' Gun Club is getting to work in earnest; guns are being purchased and nothing but the best seem good enough. A trial shoot on the grounds at Wissinoming was held last Wednesday afternoon, and some fair scores were made. It looks as if there is some good material in the club and a little practice will no doubt bring this out. It is President Burton's aim to make every member a credit to the club. K.



IDYLS OF THE POTTING SHED

"She."

It was a favorite loafing place for the boys, and they would rather spend their evenings there than go home. True, it was dusty and dingy; there were no rugs on the hard cement floor, no mirrors on the rough brick walls, no light except a couple of lanterns and the ruddy glow from the furnace doors, but nevertheless here was sociability such as no parlor could offer, an indescribable luxury in a seat on a glass box with an old coat for a cushion, and it was a sensation of cosy comfort on a winter's night to lean back against the warm brick sides of the big boiler and take a hand at forty-fives or indulge in animated discussion of the many questions on which no two gardeners can ever agree, and watch old Joe, the fireman, as he moved about in his methodical way, lighting his pipe only to let it go out again and burning matches with extravagant disregard of cost.

It was a rough night in January. The storm howling outside made the shelter of the old boiler house seem more delicious. The argument for the time being was about an innovation introduced at the Florists' Club, it having been proposed that the club members bring their wives with them to the next meeting. The discussion, interrupted only by the occasional shovelling of coal and banging of the furnace doors, waxed hotter and hotter. Long Tom was especially excited. The club was "no place for weemin'"; he'd just like to see his'n tagging after him; she wouldn't dare mention such a thing; he liked to see a man master in his own house. Rising to his full height he exclaimed "Why, she's been"—but Tom never finished the sentence, his yellow whiskers stopped wagging and his face was fixed in a frozen stare, for just at that moment the outer door opened with a jerk, and there stood a stout female figure with a very determined visage peering out from underneath

the big shawl which she held tightly clasped over her head. "Look a here you Tom, d'ye know what time it is? You git home!" Long Tom waited for no second invitation; he just turned up his coat collar and slouched out without a word, followed closely by his determined better half who threw back one taunting look of defiance at his late associates, as she slammed the door. Old Joe reached up into the corner for the dirty pack of cards, shuffled them over thoughtfully for a few moments, then slowly took his pipe from his mouth and murmured, "There do be different kinds av thim, an' some is wusser'n others."

Evolution Among Plants.

BY PROF. L. H. BAILEY.

[Abstract of a paper read before the Mass. Hort. Society, Boston, February 23.]

The speaker prefaced his remarks by saying that all thoughtful persons are now evolutionists, whether they know it or not. They believe in some kind of a transformation of species in the same way that they believe in the gradual unfolding and growth of human institutions. It is by no means essential to a belief in evolution that the person should hold to a single origin of all forms of life. The speaker then proceeded to consider the question, "Do new species originate now?"

De Varigny has written a most suggestive book upon experimental evolution, in which he contends for the establishment of an institution where experiments can be definitely undertaken for the purpose of transforming a species into a new species. "In experimental transformism," he writes, "lies the only test which we can apply to the evolutionary theory." This is a most commendable object, and I hope that the attempt will be made to create a new species before our very eyes. This is what most people demand as a proof of evolution, and they are sometimes impatient that it has not been done; and it would seem, upon the face of it, that nothing more could be desired. When I reflect, however, upon the fact that this very thing has occurred time and again with the horticulturist, and consider that botanists and philosophers persist in refusing to see it, I am constrained to offer some suggestions upon De Varigny's excellent ambition. If I show a botanist a horticultural type of recent or even contemporaneous origin which I consider to be specifically distinct from its ancestors, he at once exclaims that it is not a species, but a horticultural variety. If I ask him why, he replies, "Because it is an artificial production." If I show him that the type is just as distinct from the species from which it sprang as that species is from its related species, and that it reproduces its kind with just as much certainty, he still replies that, because it is a horticultural production, it can not be a species. In what, then, does an accidental horticultural origin differ from any other origin? Simply in the fact that one takes place under the eye of man and the other occurs somewhere else. It is impossible at the present day to make a definition of a species which shall exclude many horticultural types, unless an arbitrary exception is made of them. The old definitions assumed that species are special creative acts, and the method of origin is therefore stated or implied in all of them. The definition itself, therefore, was essentially a statement of the impossibility of evolution. We have now revised our definitions so as to exclude the matter of origin, and thereby to allow free course to

evolution studies; and yet here is a great class of natural objects which are practically eliminated from our consideration because, unhappily, we know whence they came! Or, to state the case differently, these types can not be accepted as proofs of the transformation of species because we know certainly that they are the result of transformation.

Now, just this state of things would be sure to occur if De Varigny were to transform one species into another. People would say that the new form is not really a species because it is the result of cultivation, domestication and definite breeding by man. He could never hope to secure more remarkable transformations than have occurred a thousand times in the garden; and his scheme—so far as it applies to plants—is essentially that followed by all good gardeners.

This notion that a species, to be a species, must have originated in nature's garden and not in man's, has been left over to us from the last generation—it is the inheritance of an acquired character. John Ray, towards the close of the seventeenth century, appears to have been the first to use the word species in its technical natural history sense, and the matter of origin was an important factor in his conception of what a species is. Linnæus' phrase is familiar, "We reckon as many species as there were forms created in the beginning." Darwin elaborated the new conception—that a species is simply a congregation of individuals which are more like each other than they are like any other congregation—and with a freedom from prejudice which is rarely attained even by his most devoted adherents, he declared that "one new variety raised by man will be a more important and interesting subject for study than one more species added to the infinitude of already recorded species." The old naturalists threw the origin of the species back beyond known causes; Darwin endeavored to discover the "Origin of Species," and it is significant that he set out without giving any definition of what a species is. I have said this much for the purpose of showing that it is important, when we demand that a new species be created as a proof of evolution, that we are ourselves open to conviction that the thing can be done.

The fact is that the practice of systematic or descriptive botany is at variance with the teachings of evolution. Every naturalist now knows that nature does not set out to make species. She makes a multitude of forms which we, merely for purposes of existing methods of botanical description and nomenclature, call species.

The speaker then proceeded to show that there has been as wide variation in very many garden plants as there is between accepted botanical species of the same genus.

Species-making forever enforces the idea of the distinctness and immutability of organic forms, but study of organisms themselves forever enforces an opposite conception. The intermediate and variable forms are perplexities to one who attempts to describe species as so many entities which have distinct and personal attributes. So the garden has always been the bugbear of the botanist. Even our lamented Asa Gray declared that the modern garden roses are "too much mixed by crossing and changed by variation to be subjects of botanical study." He meant to say that the roses are too much modified to allow of species-making. The despair of systematic botanists is the proof of evolution.

If species are not original entities in nature then it is useless to quarrel over the origination of them by experiment. All we want to know, as a proof of evolution, is whether plants and animals can become profoundly modified under different conditions, and if these modifications tend to persist. Every man before me knows, as a matter of common observation and practice, that this is true of plants. He knows that varieties with the most marked features are passing before him like a moving panorama. He knows that nearly every plant which has been long cultivated has become so profoundly and irrevocably modified that people are disputing as to what wild species it came from. Consider that we can not certainly identify the original species of the apple, peach, plum, cherry, orange, lemon, wine grape, sweet potato, Indian corn, melon, bean, pumpkin, wheat, chrysanthemum, and nearly or quite a hundred other common cultivated plants. It is immaterial whether they are called species or varieties. They are new forms. Here is the experiment to prove that evolution is true, worked out upon a scale and with a definiteness of detail which the boldest experimenter could not hope to attain, were he to live a thousand years. The horticulturist is the only man in the world whose distinct business and profession is evolution. He of all other men has the experimental proof that species come and go.

A Seedsman's Qualifications.

When Loudon left the remark on record "that the manipulation of seeds and their disposal was a most simple kind of work, and that the seed department was easily managed," he, worthy man, could have possessed but a very inadequate idea of the multiplicity and detail necessary for the thorough working of a large establishment as conducted at the present day, yet there still remains a glimmer of truth in his statement when it is applied to the small provincial seed distributor who adds the occupation to his other businesses at a certain season of the year only. This, however, is not the man with whom we are concerned, and whom one could expect to have a great deal of knowledge, so we pass him by, as he does not belong to our subject.

"What a delightful business yours must be!" is a common saying from outside sources, and there is no doubt the profession is looked upon by those who do not know a great deal about its inner workings, as an occupation in which the operator spends his whole existence among the daintiest of Nature's children. Granted that he enjoys many pleasures during the summer season, his labors, in sympathy with those affecting other trades, experience periods of doubts and difficulties, and his endeavors to battle against circumstances beyond control, hinder his mind from resting peacefully on the bed of roses some people imagine.

The capable seed merchant of to-day must be not only a man of sound practical experience, gained by life-long study, but a man of such technical qualifications and commercial grip as will enable him to pit his ability against the keen competition that surrounds him, and is becoming more apparent in every direction, and renders the carrying out of important transactions, upon ethical principles, a greater difficulty each season [!]. He must be both intelligent and observant, for he will often find after exercising the utmost precaution to provide against contingencies, that his efforts have proved

futile, through an unpropitious season that has ruined his crops, or a failure from some other cause. In a large establishment it is of the greatest moment for the leading man to be always on the spot, in order that his judgment may prevail in guiding important transactions to a safe end; in these days of rapid communication with all parts of the world business involving thousands of pounds often requires attention at a moment's notice, and the house that has a reputation to lose can not afford to throw these chances away for the want of enterprise and immediate action. He must be a man who looks ahead, that is to say, in 1894 he must have uppermost in his mind his requirements from the harvest of 1896. He must forecast the seasons, as it were, by making provisional contracts in advance, and to such an extent does this system prevail that we know of one firm that conducts operations on these lines to the extent of £100,000 annually. Then, again, he must be up to every movement in the market, for no other commodity fluctuates so much as some classes of seeds; take clover as an example, a seed that largely changes hands at all seasons on Mark Lane and other centers in Great Britain, Europe and America. With a keen eye he must be able to detect without much reflection the impurities existing in a sample when put before him on market, to know without hesitation that the clover contains dodder, the lucerne melilotus, or the meadow fescue, ryegrass. Smartness on these points is sufficient to stamp him an intelligent merchant in the opinion of all with whom he has dealings.

He must keep a watchful eye upon his trials for growth and purity of stock. Those crops which he places out with farmers must be sent into localities with a soil upon which they are likely to thrive, and on this account it becomes necessary for him to have some knowledge of vegetable physiology, and to be critically observant of causes and effects connected with the chemistry of plants. All novelties, both vegetable and floral, must be proved in actual comparison, trusting with little faith to the glowing and specious descriptions that herald many an old variety under a new name. All should be grown to maturity, and pronounced under actual observation, to be acquisitions before sanctioning their distribution to his customers. He must also have a methodical system of growing and selecting seeds, of roguing crops and the cultivation by the most perfect means likely to ensure a healthy development; he must be able to distinguish a swede from a turnip by its bulb or flower, one pea from another by its habits and appearance, or by its pod and seed; and one flower from another by its shape or color. He should be constantly conducting experiments in hybridizing and cross-breeding in the hope of being able to produce something that will on one or more points beat the best already grown, or that will startle his competitors, bring him into greater prominence, and cause him to take high rank in the most advanced class of experts. If he has a foreign connection—and what large house has not, he must be thoroughly acquainted with the climates and seasons affecting different parts of the world, to be in a position to advise customers seeking information what to grow and how to grow it. If the foundation of his establishment is built upon these principles an increased volume of business will ensue, for his customers will place every confidence in him, and he is bound to succeed.—*Seedsman in Gardeners' Chronicle.*

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SITUATION WANTED—As foreman; thoroughly understands the growing of roses, carnations, violets and all kinds of florists' stock.
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SITUATION WANTED—By young man as improver in large commercial establishment; roses and carnations principally; 4 years' experience; age 20; state wages.
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SITUATION WANTED—As foreman; experienced in all branches of propagation; roses, "mums," carnations a specialty; also fruit culture and general nursery work; state wages. Address
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Stop the Leaks.

In the present condition of the florist trade, when from various causes net profits are cut down to a very small margin, a strict watch over the smallest details of business becomes a necessity. The free and easy methods which prevailed a few years ago, before customers learned to be critical and before over-production and sharp competition began to make themselves felt, are no longer safe. In the greenhouses every square foot of bench room must be kept constantly at work and made to yield its percentage of profit, and here the possible margin is so narrow that he who undertakes to run his business in a haphazard way without sharp scrutiny of every item of outlay, and close calculation of comparative results from different varieties under cultivation, will be apt to wake up some morning and find himself face to face with an insurmountable balance on the wrong side of his books.

This applies as well to the retailer who depends exclusively upon his store trade. Rent, help, lighting and the thousand and one smaller items which have always gone to make up the appalling total of store expenses are now increased by the many luxuriant accessories which modern methods impose, not to mention the mischief worked by the ubiquitous street peddler. It is all important then that every expense be closely guarded, and wasteful methods avoided.

In a business which deals in perishable commodities there is bound to be more or less unavoidable loss constantly going on. It is impossible for the producer or the dealer in such goods as these to so handle his stock that none goes to loss on his hands, but it is possible to reduce this drain very materially by close attention. It has been asserted that the loss from avoidable waste in some establishments amounts to nearly or quite as much as the rent, and there is little question of the correctness of this assumption. Empty room in the greenhouse or space that is unremunerative on account of the condition of the stock occupying it, but which comes in for its full share of the cost of heating, wasteful handling of coal, defective methods in the care of stock after it has been cut, these all make sad inroads on the surplus.

But how about the store? Here the carelessness or pure cussedness of employees is responsible for many a leak. Try the experiment of turning over the rubbish box some morning before it is carted away, and see what you will find. Whole handfuls of flowers thrown away to save the trouble of picking over, bunches of stemming wire which have been allowed to lie in the water and get rusty, tangles of snarled twine and enough good paper for a whole day's needs, wire designs that have been walked on, paper boxes that have been sat upon, broken vases and pots, and do not be surprised should you light upon that missing pair of shears or Scollay sprinkler.

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The foliage is a very dark purple, nearly black, and colors up well in the full sun. The flowers are of fair size and substance, and of a deep crimson color; they are by far the best we have seen in the dark foliage section of this popular plant.

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Also a large stock of SHADE TREES, VINES and EVERGREENS.

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Direct Import, fresh quality, just arrived.

- Areca lutescens..... Per 100 Per 1000
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We further expect in the course of next month 150 lbs. Lintola borbonica, 50 lbs. Chamærops 10 different varieties.

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- 10 at 100 rate. If not selected, CASH WITH ORDER.

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We Pay the Express.
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No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Providence, R. I.

The first carnation exhibition of the Rhode Island Horticultural Society was held on the afternoon and evening of March 20. There was a very fine display of blooms. N. D. Pierce Jr., John Macrea, W. B. Chappell and A. O. Miles were among the largest exhibitors. Nathan Smith & Son of Adrian, Mich., were represented by an interesting collection.

HARRISBURG, PA.—L. N. Stein, the florist, died February 24, after a week's illness.

APPLETON, Wis.—Two new greenhouses are soon to be built at Riverside cemetery. The new houses will be 20x108 each.

XENIA, O.—Jacob Lambert, the florist, and wife are rejoicing over the arrival of a boy. As they have five girls the boy is "a great acquisition."

FERTILITY, PA.—Mr. Martin H. Weaver is starting in business here and is building two houses 18x120 for carnations and one 18x64 for violets.

SALT LAKE CITY, UTAH.—Last January James Dwyer, the florist, had his leg broken one night by falling down an embankment through the street being left in an unsafe condition, and he has now sued the city for \$15,000 damages.

Asparagus Plumosus Nanus.

Cut Strings, 8 to 10 feet long,

50 CENTS.

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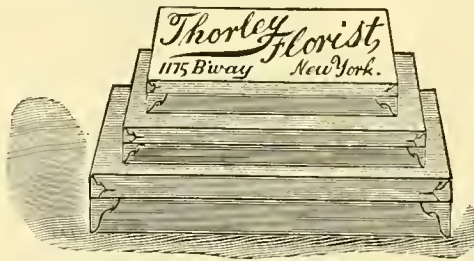
Finest quality stock of everything in season. Our HYBRIDS and JACQS are extra fine, and our CARNATIONS are unsurpassed. Order a trial lot and be convinced. Easter is close at hand, send in your order early.

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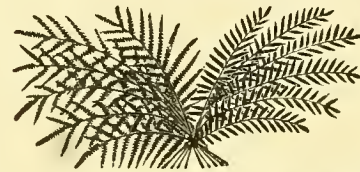
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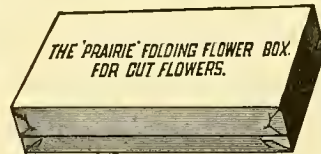
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SWEET PEAS are said to be selling in lots of 2,500 pounds.

VISITED NEW YORK: Wm. Meggatt, Wethersfield, Conn., Mr. Carson, representing H. A. Dreer, Philadelphia.

C. C. MORSE, of Santa Clara, Cal., sailed from New York for Europe on Saturday, March 23.

The Wernich Seed Company has been incorporated at Milwaukee with a capital stock of \$15,000 by W. Wernich, C. Waulfing and C. C. Mass, Jr.

THE SUPPLY of Red Wethersfield onion seed in the west is said to be quite limited and price has stiffened, but eastern dealers still seem inclined to cut the price wherever an opportunity is given.

A SANTA CLARA, CAL., paper is enthusiastic over "A dwarf sweet pea novelty named Cupid, growing in a 12-inch pot less than one foot high, and covered with perfect white blossoms of the usual size, with stems about the length of those of the pansy."

VAUGHAN'S SEED STORES at Chicago, both wholesale and retail, will after May 1 be located in the double stores 84 and 86 Randolph street. The building is being thoroughly overhauled and refitted with modern front and new elevator and other repairs especially adapted to the use of the firm.

Seed from Washington.

HURON, S. D., March 20.—Between 35,000 and 40,000 packages of garden seeds will soon be sent from the department of agriculture to the state agricultural college at Brookings, for free distribution to farmers and others in south Dakota desiring them.—*Minneapolis Journal*.

Relief Commission.

Every mail is bringing to the state relief commission requests for garden seeds. Yesterday a letter was received from Banner county, signed by the county commissioners and attested by the county clerk, stating that there are about 350 farmers in need of garden seed. This is the first demand that has been made by Banner county, and no provision has been made by the commission for that locality. The citizens recently held a mass meeting and adopted resolutions to the effect that as the farmers of Banner county are entirely without means to buy seed for planting the spring crop the county commissioners be requested to lay the matter before the state relief commission and petition for seed, grain and feed for horses. In compliance with the demand thus made upon them the county commissioners have made the appeal.

The state relief commission has set aside in the neighborhood of \$5,000 for garden seed, and the order for shipment of the same has been placed. This amount will come out of the state appropriation of \$50,000, and will thus cause a corresponding decrease in the food and coal supply furnished by the commission.

The congressmen of the country promised to send the state relief commission 930,000 packages of seed. Of that amount there have been received to date only about 9,000 packages. Some of the latter contain grass seed, which is of no practical value to the farmers of Nebraska.

Proposals and samples of seed grain are now being received by the commission, and when the bids are in it is expected that the commission will be in financial condition to let contracts for seed grain without loss of time.—*Lincoln (Neb.) Journal*.

To try to cover his misdeeds
The Congressman mails garden seeds.
—*Philadelphia Inquirer*.

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G. van der Horst & Co.,

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Heemstede, - Holland,

Is on his round trip in America. Up to April 15th all letters and communications directed to G. van der Horst & Co., care of Knauth, Nachod & Kuhne, 13 South William Street, New York, will have prompt and careful attention. Our prices are reasonable. OUR MOTTO—Excellent stuff makes cheap prices. Up to now we have not one claim—everyone who deals with us is satisfied.

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TRY — VAN ZONNEVELD BROS & Co.'s

Hyacinths, Tulips,



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They are strictly first-class and cheap.

Special quotations for Wholesale Importers.

Address all correspondence until May 1st, to our JACK WEZELEBURG, care J. W. HAMPTON, Jr. & CO. 41 BROADWAY, NEW YORK.

THE CALIFORNIA! MAMMOTH NEW VIOLET. FLORAL WONDER OF THE CENTURY.

Blooms cover a silver dollar; stems 12 to 14 inches long; color deep violet-purple (does not fade); fragrance intense; several hundred flowers from a single plant; blooms during seven months in the year. Price, \$10 per 100; \$70 per 1000. 500 at 1000 rate.

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When writing mention the American Florist.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice.

Try this set, you'll not regret

When you see the beauties blooming,

And don't forget the best thing yet.

They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered: the set of 15 kinds for 50 cents, from 2 1/2-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georgeanna, with the finest scarlets, purples, striped and intermediate shades. Double Petunias (Dreer's), 2 in., \$2.50; 3 in., \$4; 4 in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vinca (Perrywinkle) from flats, \$2; 2 1/2-in., \$3; 3-in., very fine, \$5 per hundred. Begonia Vernon, semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2 1/2 in., \$2.50; 3 in., \$3.50 per hundred. New yellow daisy, Anthemis Tinctoria (single), 2 1/2-in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats, \$2.50; 2 1/2-in., \$3.50 per hundred. Nasturtiums, selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welsh, the fine new white Jersey, seed, light purple Vert Valley, dark, 2 1/2-in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2 1/2-in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2 1/2 and 3-in., \$4 per hundred. Calendula P. of Orange, scarlet Snowball, sweet Alyssum, tall, double and dwarf single, Mignonette, Torenia fourneri, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4-in. size, \$3; 6-in., \$5 per hundred dormant roots; Eulalia plant stalks, the neatest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding cannas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. Address cash with order please.

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150 first-class named varieties offered at low prices by

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New plants a Specialty. Catalogue free.



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HYACINTHS, all the best varieties for forcing. Small, pure white and other colors to succeed the Romans.
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NARCISSUS, Horsfieldii, Sir Watkin, Trumpet major, Albus plenus odoratus, and other sorts.
SPIRÆA compacta grandiflora, and Spiræa astilboides.
GLADIOLUS The Bride, for forcing, in any quantity, at a fair price.
White Spanish Iris, like orchids.
Lilies and other bulbs and bulbous roots for forcing and cut flowers.
 Send list of what you need before ordering elsewhere.

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 Oldest and most reliable import house.

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Tuberose & Caladium Growers

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Great care has been taken in selecting this large flowering strain of beautiful, mottled, striped and fringed Petunias. Trade pkt. 50 cts.; 1/8 oz. \$2.50; 1/4 oz. \$4.50.

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Carefully hybridized and saved from our own unrivalled collection, well known to be the finest in the country. Per 500 seeds, 75 cts.; 1000 seeds, \$1.50.

Trade pkt. Per doz.

Petunia, Dwarf Inimitable. Star Petunia, cherry red, with white center,	50	2 00
" Pure White, Single.....	15	50
" Striped and Blotched, Mixed.....	25	1 00
" Fine Mixed.....	15	50

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Special Growing of FRENCH BULBS

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FREESIA REFRACTA.
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 And many others good for forcing.
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 1110 N. Third St., and Gravois and Oregon Ave.,
 Send for my New Catalogue, FREE. ST. LOUIS, MO.
 Mention American Florist.

EXTRA CHOICE FLOWER SEEDS.

List free on application.
FRED. ROEMER, SEED GROWER,
 QUEDLINBURG, GERMANY.

WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

WEEBER & DON,
 Seed Merchants and Growers.

114 Chambers Street, NEW YORK.

TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

Vaughan's Seed Store, Box 688, Chicago.

Insuring Greenhouses.

It seems as if the insurance companies hesitate over taking greenhouse risks, at least down our way. Why we can't imagine, nor can the companies' agents give satisfactory reasons, only that the order comes from headquarters. Now this subject has been broached several times through your paper, and not having seen any comments of late on same, would like to know if any steps have been taken on this subject. The plan mentioned by your correspondent, I believe from the east, was to form a mutual insurance company like the hail association. I believe at no distant day greenhouse property, located outside of city limits at least will be barred altogether, and there is no question but what the florists will have to protect themselves in some manner against fire losses. Not having any figures to go by, but from what has been reported through the various journals and papers, the losses have been trifling compared with the amount of risks. From our own experience would say, we have paid thousands and thousands of dollars the past twenty years and have had only \$200 losses. We are located three miles from city. Now there are just hundreds of such cases, but still the insurance companies refuse the risks. Kindly mention these facts and see what our brother florists have to say on this subject. **NANZ & NEUNER.**
Louisville, Ky.

There is no doubt that our correspondent has good grounds for complaint. The experience above given is that of greenhouse owners all over the country, and the Society of American Florists should have the support and co-operation of every florist in its efforts to secure for greenhouses equitable insurance rates. We understand that the committee in charge of this matter has been active, and with the hearty support which we understand has been accorded them by the officers of the society there is every prospect that in a short time this difficult problem will have been solved and a classified rate acceptable to everybody finally secured.

IN THE page advertisement of Mr. J. N. May in our last issue the prices of his chrysanthemums were not correctly given. They should have been as follows: Sunrise \$3.50 per dozen, \$25 per 100; Dean Hole, Nemesis, Olympus, Trilby, Zulinda \$6 per dozen, \$35 per 100. The transposition of the rate per 100 was probably an error on the part of Mr. May's stenographer in preparing the copy for the adv.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER,
JAMAICA PLAIN, (Boston), MASS.

ROSE CUTTINGS.

Well Rooted of Per 10 0
METEOR, 2 and 3 eyes, at \$18 00
 Mermets, Brides, Perles, etc., at 15.00
 2 1/2-Inch Teas, at 25.00
 Bridesmaids, at 30.00
 We are specialists for Violet blooms, cuttings and clumps—Marie Louise and Lady Campbell.

ANCHORAGE ROSE CO.,
ANCHORAGE, KY.

When writing to any of the advertisers on this page please mention the American Florist.

ROSES.
ROSES.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

- TREE ROSES**—Holland grown, well rooted, good, heavy tops, in fine assortment.
 - AMPELOPSIS VEITCHII**—Extra, 3 to 4 feet.
 - ARISTOLOCHIA SIPHO**—Strong well branched plants with heavy roots.
 - VIBURNUM PLICATUM** (Japan Snowball)—2 feet.
 - CLEMATIS**—Strong, 3 year, large flowered.
 - TUBEROSES**—Pearl and Double Italian, fine bulbs.
 - CALADIUM ESCULENTUM**—9 to 10, 7 to 9 and 5 to 7 inch.
- Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

PAINESVILLE, Lake Co., OHIO

CATALOGUES AND PRICE LIST FREE.

Mention American Florist.

AZALEAS FOR EASTER.

HENRY A. DREER,

714 Chestnut St., PHILADELPHIA.



AZALEA INDICA.

We can still furnish a fine lot of Azaleas in prime condition for Easter forcing. **ORDER NOW** while the buds are not too far advanced, as they will reach you in much better condition now than later in the season. We offer beautiful specimen plants in two sizes, grand stock in every way.

Each. Dozen
CROWNS, 24 inches in diameter . . . \$3.00 \$35.00
CROWNS, 18 inches in diameter . . . 2.50 30.00
 A line lot of 12 to 15 inch Crowns, well set, at \$9.00 per dozen: \$70.00 per 100.
 Also a lot of small plants with crowns about 8 inches in diameter, at \$3.50 per dozen: \$25.00 per 100.

ROSES From 2 1/2-in. pots, now ready to ship, in splendid condition.
AMERICAN BEAUTY, \$6 per 100.
BRIDES, and BRIDESMAID, \$3.00 per 100.
BASSETT & WASHBURN, HINSDALE, ILL.

SWAINSONA Rooted Cuttings or 2-inch pot plants, **American Belle**

CHAS. W. REIMERS,

329 Fourth Avenue,

LOUISVILLE, KY.

ROSES BELES, TESTOUTS, NIPHOTOS, MERMETS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Rooted Cuttings. Cash with order. Address for quotations.
VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

The Rose for the Million!!

BELLE SIEBRECHT.

Always in bloom. An iron constitution. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. Color and keeping qualities unequalled. The greatest introduction of the century.

MORE TESTIMONIALS FROM PROMINENT ROSE GROWERS:

DEAR SIR:—The new Rose, "Belle Siebrecht," is a very valuable rose for winter forcing. The form is exquisite, the foliage handsome, the color charming, rich, bright, and of an entirely distinct new shade; it is also very healthy in growth and a constant and very free bloomer. Please book my order for 1,000.

Yours truly,
ROBERT CRAIG, West Philadelphia, Pa.

It affords me much pleasure to express to you my thanks for the bunch of Belle Siebrecht roses you had the kindness to send to me. After having graced the tables of the N. Y. Florist Club annual dinner two days ago I find it to be a remarkable good keeper, having kept it for three days longer without its losing any of its brilliant color, and it appears as fresh now, after be-

ing out five days, as if just cut. As seen growing at your place I shall pronounce it after a careful examination a remarkable free bloomer, healthy grower, and one that is not easily attacked by mildew, and a welcome addition to our list of forcing roses.

ERNST ASMUS, West Hoboken, N. J.

WASHINGTON, Dec. 5th, 1894.

MESSRS. SIEBRECHT & WADLEY, New Rochelle, N. Y.:

GENTLEMEN:—We have received your circular letter together with price list of your new Rose, Belle Siebrecht, which we inspected in your houses some time ago. Please book our order for 2,000 plants, to be delivered April 15th next.

Yours very truly,

STRAUSS & CO.

This rose is the result of years of patient work by one of the best rosarians in the world. It is not sent out to be "tried." We have subjected it to the most severe tests, and are now fully satisfied that it is the best florists' rose in existence. It is not a mere sport, but is of a distinctly new strain, the result of a cross between La France and Lady Mary Fitzwilliam. Its pedigree is all right. Orders booked now and will be filled in strict rotation. Strong plants ready for delivery April 15th.

PRICE, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

New York Office, 409 FIFTH AVE.

NEW ROCHELLE, N. Y., U. S. A.

ROSES

FROM 2 1-2 INCH POTS.

A 1 STOCK.

Perles, Brides, Mermets, Cusin, Papa Gontier, Hoste, at \$4.00 per 100. Bridesmaid and Meteor at \$5.00 per 100.

JOHN HENDERSON COMPANY,

Rose Growers,

FLUSHING, N. Y.

"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots, \$8.00 per 100.

CHRYSANTHEMUM

GEO. S. CONOVER, the best EARLY BLOOMING, large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$8.00 per 1000.

FRENCH CANNAS.—Large stock of the leading varieties.

WRITE FOR OUR CATALOGUE.

VICK & HILL, Rochester, N. Y.

2000 JACK ROSE PLANTS

on their own roots, well branched, 2½ to 3 feet high, \$10 per 100. 3 to 4 feet high, \$15 per 100. Sample of 8 for \$1.00.

JORDAN FLORAL CO.,

706 Olive Street, ST. LOUIS, MO.



Tuberous Begonias

CRIFFIN'S STRAIN.

MEDAL AWARDED WORLD'S FAIR.

Let us figure on your needs in Tuberous Begonias (doubles especially), we can do so better than any firm in this country.

The bulbs are the finest we have ever grown.

OASIS NURSERY CO.,

THOS. GRIFFIN, Manager.

Westbury Station, Long Island, N. Y.

FOSTITE, A PERFECT REMEDY to

Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out.

Fostite, 25 lbs. \$2.00. Bellows, \$3.50. Cash with order. Sold by all dealers and by

C. H. JOOSTEN, 3 Coenties Slip, New York.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

Rochester, N. Y.

Our comparatively newly established wholesale commission house reports good sales at very fair prices all through Lent; first quality stuff sells at sight, the only overstock being poor violets, which are not wanted at any price just now, as we can get plenty large flowers of first quality. The retail men claim that in no former year have they paid such high prices for flowers of every description during Lent, but they are perfectly satisfied, having so far done a better business in the Lenten season than ever before. There are no large receptions or very elaborate decorations going on, but still there seems to be just enough weddings, dinners and little parties in our city to use up all the flowers available. All are looking forward to a good Easter trade.

Chas. Swift, of Mr. W. S. Kimball's greenhouses, who met with a painful accident some weeks ago, breaking his leg just above the ankle, is so far convalescent that he is allowed to be sitting up. We all wish him a speedy recovery, we can't spare him very well in our bowling team. K.

William S. Kimball, the well known orchid enthusiast of this city, died March 26. His collection of orchids, particularly cypripediums, was one of the largest in the country.

WASHINGTON, D. C.—Jos. R. Freeman is again at his place of business after a serious illness of two weeks. Joe looks trained down rather fine since his sickness but his genial smile beams as pleasantly as ever, when receiving the congratulations of his many friends.

WEST DEDHAM, MASS.—Miss E. M. Fisher intends to soon build a new house 12x100.

ROCHESTER, N. Y.—Mr. J. B. Keller is confined to the house with "La grippe."

Rooted Cuttings

VERBENAS, finest bright colors, mammoth, vigorous strong, 70c. per 100; 16.00 per 1000. GERANIUMS, special best double and single; assorted colors labelled, \$1.30 per 100, \$11.00 per 1000. COLEUS, 24 distinct finest, best bedders, 70c. per 100, \$6.00 per 1000; strong rooted. SEEDLING VERBENAS, Select mammoth, transplanted, fine plants 60c. per 100, \$5.00 per 1000. PLANTS, Heliotropes and Scarlet Sage new compacta, \$1.75 per 100, Gallardia Tompionia, an excellent showy perennial in constant bloom, \$2 a 100. Write for special low cash prices.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa. Mention American Florist.

THE COTTAGE GARDENS, Queens, Long Island, N. Y. WHOLESALE CARNATIONS.

CARNATIONS ROOTED CUTTINGS.

SCOTT, KELLER, SWEETBRIER, DAYBREAK, MCGOWAN, etc.

CHRYSANTHEMUMS PHILADELPHIA, Mrs. W. H. Hurley, Dailledouze, Queen Bonnaffon, Niveus, Pres. Smith, Mutual Friend, etc. Complete price list on application.

SAMUEL J. BUNTING, Elmwood Ave. & 58th St., PHILADELPHIA, PA.

CARNATIONS.

I have a few thousand Rooted Cuttings of my namesake.

Strong and absolutely free of all disease

\$3.00 per Hundred; \$25.00 per Thousand.

Don't all speak at once.

WILLIAM SCOTT,

479 Main Street,

BUFFALO, N. Y.

It's Safer to buy Carnation stock from those growers who give their entire attention to its production. We grow nothing but Carnations, and ship only the best quality of rooted cuttings. There are no finer McGowans anywhere than ours, and they are cheap at \$2 per 100; \$15 per 1000, while our Scotts and Albertinis at \$3 and \$25, and Daybreaks at \$2.50 and \$20, are A1 in every respect. How many do you want?

ALEX. McBRIDE, ALPLAUS, N. Y.

PRICE LIST ROOTED CUTTINGS CARNATIONS, ETC.

Table with columns: Name, Doz., 100., 1000. Includes Eldorado, yellow edged plok, stock l't'd \$2.00, Kilty Clover, a fragrant yellow var., Eulalie, yellow and pink var., Princess Bonie, plok var., Dr. Warder, crimson, Daisy Bell, var., similar to H. Keller., Lawrence Thompson, plok, Ophella, plok.

Table with columns: Name, \$0.75, \$5.00, \$45.00. Includes Sweetbrier, plok, Helen Keller, variegated, Purple Gem, magenta, Wm. Scott plok, Mme. Diaz Albertini, plok, Buttercup, yellow variegated, Stanley, terra cotta variegated, Daybreak, light plok, Thos. Cartledge, dark plok, Brutus, red, Caesar, variegated, red and white, Chester Pride, variegated, J. R. Freeman, maroon, Puritan, white, Tidal Wave, dark plok, L. L. Lamborn, white, E. G. Hill, scarlet, Wm. F. Dreer, dark plok, Nellie Bly, variegated red and white, Grace Wilder, plok, Jazze McGowan, white, Porta, scarlet, Mrs. Elsher, white, Annie Pixley, plok, Lois Haectel, white frozed, Hawaii, yellow variegated, Angelus, plok.

Table with columns: Name, \$20, \$1.00, \$8.00. Includes Marie Louise Violets, Swanley White, Lady Campbell, Giant Double Alyssum, Coleus, 12 new kinds by mail, Set of 12, General list, Coleus, by mail, By express, Red and yellow Verschafeltitl and other yellows, Stock plants, general list, Verschafeltitl and yellows.

W. R. SHELMIER, Avondale, Pa. Mention American Florist.

Carnations to Edward Wayne P. Kenneth J. J. P. a

NEW. OPHELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$80.00 per 1000.

STANDARD.

Table with columns: Name, 100., 1000. Includes Sweetbrier, Helen Keller, Uncle John, EARL, Buttercup, Scott, Daybreak, Cartledge, Porta, McGowan, Fisher (from soil for Summer), LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

Carnation Wm. Scott,

Rooted Cuttings, \$20.00 per 1000.

\$30 at thousand rate.

HARMON, BURR & CO., Darien, N. Y.

20,000 WM. SCOTT.

ROOTED CUTTINGS READY FOR IMMEDIATE DELIVERY.

\$3.00 per 100; \$25.00 per 1000. Cash with all orders.

DAILLEDOUZE BROS., FLATBUSH, N. Y.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

CARNATIONS READY NOW.

McGowan in any quantity, Mrs. Fisher, Helen Keller, Sweetbrier, The Stuart, Buttercup, Iago, Cartledge, Portia and Dorner.

Write for prices, stating how many you will want of each variety. The prices will be reasonable and cuttings well rooted and healthy.

ALBERT M. HERR,
L. B. 496. **LANCASTER, PA.**

CARNATIONS

Healthy well rooted cuttings of

	Per 100	Per 1000
Lizzie McGowan, Silver Spray, Puritan, Grace Wilder.....	\$1.50	\$10.00
Daybreak.....	2.00	15.00
Portia, American Flag.....	1.50	10.00
Tidal Wave and Orange Blossom.....	2.00	15.00

DOUBLE PETUNIAS—Finest white and fringed varieties, \$1.50 per 100.

CHRYSANTHEMUMS—Finest white, pink and yellow varieties, \$2.00 per 100.

COLEUS—Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.

Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

Carnation Cuttings

NEW AND OLD VARIETIES.

Good, healthy stock, well rooted, ready by January 1st, 1895.

Rooted Cuttings **GIANT DOUBLE ALYSSUM, VIOLETS, COLEUS, ETC.** Write for price list.

E. J. CLOUD, Avondale, Chester Co., Pa.

CARNATIONS.

	2-1/2 inch Sand Pots.	4 inch Pots.
Helen Keller, Ada Byron.....	\$4.50	\$6.00
Adelaide Kresken, Jacquemlot.....	4.50	6.00
McGowan, Portia, Wilder.....	1.50	2.50

Very strong cuttings—no rust. **LADY THOMPSON STRAWBERRY PLANTS,** and others at low rates.

EDGEWOOD GREENHOUSES,
GLENSIDE, PENNA.

Daybreak Carnation.



THE PINK OF PINKS.

The Acknowledged Money Maker of To-Day.

SPECIAL OFFER.

(while unsold) of Strong and Healthy

Rooted Cuttings

At Only \$2.00 per 100, \$17.50 per 1000; 250 at 1000 rate.

**McGowan,
Silver Spray,
Portia,**



\$1.50 per 100, \$12.00 per 1000.

Our Handsome Illustrated 12 page Catalogue names 35 Other Carnations offered at lowest prices, and contains up-to-date descriptions of the novelties. Free on application.

Rooted Cuttings of Coleus, Verschaffeltii and Golden Bedder, \$1.00 per 100, \$8.00 per 1000.

Summer Bulbs:

LILIUIMS,
TUBEROSAS,

GLADIOLI,
CALADIUMS.

List Free.

DAN'L B. LONG, Wholesale Florist and
Growers' Agent,
BUFFALO, N. Y.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and *exclusively* for cuttings and plants.

Inspection and correspondence solicited.

Descriptive price list on application.

C. J. PENNOCK,

The Pines. **KENNETT SQUARE, Chesler Co., PA.**

Carnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now:

5,000 BUTTERCUP.....	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN.....	1.50	12.00
10,000 TIDAL WAVE.....	1.50	12.00
15,000 DAYBREAK.....	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY.....	1.25	10.00
15,000 AUBORA.....	1.50	12.00
50,000 well rooted runners of LADY CAMP BELL Violets.....	1.25	10.00

JOSEPH RENARD, Unionville, Chesler Co., Pa.

Rooted Cuttings of CARNATIONS, CHRYSANTHEMUMS, VERBENAS, COLEUS.

Our new Catalogue of rooted cuttings, Cannas, Geraniums, Roses, etc., now ready, and will be mailed on application.

EVENDEN BROS., Williamsport, Pa.

BEST CARNATIONS

of the new and old kinds.

We quote you prices on a few of them. Strong, well rooted stock for cash. Per 100 Per 1000

KOHINOOR, new white, large, free . . .	\$12.00	\$100.00
ROSE QUEEN, new, fine variety . . .	12.00	100.00
CORSAIR, the scarlet McGowan . . .	10.00	75.00
ALASKA, large, white, free, new . . .	10.00	75.00
LIZZIE GILBERT, brilliant scarlet . . .	10.00	75.00
STORM KING, large, pure white . . .	10.00	75.00
METEOR, large, bright crimson . . .	10.00	75.00
BRIDESMAID, clear rich pink . . .	10.00	75.00
WM. SCOTT, free, clean pink	3.00	25.00

GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100; \$40.00 per 1000.

DAYBREAK, TIDAL WAVE, PORTIA, SILVER SPRAY, LIZZIE MCGOWAN, \$2 per 100; \$15 per 1000.

Send for complete list.

GEO. HANCOCK & SON,
Grand Haven, Mich.

THE NEW WHITE CARNATION

MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

	Per 100	Per 1000
We offer them, 2 1/2 inch pots.....	\$6.00	\$50.00
Lizzie McGowan, rooted cuttings.....		10.00
ROSES—Bridesmaids, 2 1/2 inch pots....	3.00	25.00
Brides, 2 1/2 inch pots.....	3.00	25.00

Orders booked for Delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

NEW CARNATION. PEACHBLOW.

Dark blush pink. Rooted Cuttings, \$8.00 per 100; \$65.00 per 1000. Good stock. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

Worcester, Mass.

March came in like the proverbial lamb and as yet has shown no symptoms of discarding its innocent gambols for the more disagreeable antics of the lion. Warm bright days, with an occasional light rain, have forced outside bulbous stuff through the covering of leaves, etc., and although the coal pile does not diminish quite as rapidly, if we should experience the hard frosts of last spring the price of the stuff ruined would discount the decrease in the coal bill. For several weeks there has been no perceptible change; trade remains steady and the supply very even, with an occasional shortage in some especial color.

The result of the two days convention of the state fruit growers was a permanent organization with the following officers: President, James Draper of Worcester; vice-president, Samuel Hartwell of Lincoln; secretary, Prof. S. T. Maynard of Amherst; treasurer, E. W. Wood of West Newton; auditor, Calvin L. Hartshorn of Worcester.

The annual reunion and banquet of the Horticultural Society was held March 21, and about four hundred people attended; President H. L. Parker was the toastmaster, and in his usual happy manner introduced the following speakers: Mayor Henry A. Marsh, Hon. Wm. R. Sessions, President French of the Bay State Society, C. F. Dodge, E. W. Wood, C. F. Carroll, Rev. F. F. Emerson and others. After the various toasts had been responded to the party adjourned to the lower hall, where dancing was in order. A. H. L.

In our last issue an unfortunate typographical error made the John Henderson Co. offer roses at \$4 per "1000" when it should have read 100. The adv. is correct in this issue.

ROOTED CUTTINGS.

Chrysanthemums, 100 in ten varieties, mailed for \$1.00.

Coleus, 12 best bedding varieties, 60c per 100.

Ageratum, 50c per 100.

Ivy Geranium Jeanne d'Arc mailed for \$1.50 per 100.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

ROSES Strong, healthy plants from 2, 2½ and 3 inch pots, \$3, \$4 and \$6 per 100. Am. Beauty, Bride, Mermel, Niphotos, Perle, Stun-set, Wootton, Meteor, Albany, La France, Testament, Victoria, M. Niel, Bridesmaid, Watteville, The Queen, Mme. P. Guillot, S. d'un Ami, &c.

VERBENAS Good assortment of clean, healthy plants from 2 inch pots, \$2.50 per 100, \$20 per 1000. Rooted Cuttings, 75c. per 100, \$7 per 1000.

VIOLETS Marie Louise and Swanley White, strong plants from 2-inch pots, \$3 per 100, \$25 per 1000; no disease.

CARNATIONS Leading kinds from 2-inch pots, \$2.50 to \$5 per 100.

PELARGONIUMS Victor, Fred Dorner, plants from 2 and 3-inch pots, 75c. and \$1 per doz. TERMS CASH.

JOSEPH HEINL, JACKSONVILLE, ILL.

PELARGONIUM. "THE BRIDE."

For beauty, profusion of bloom and dwarf, shapely habit of growth—the best Pelargonium in existence. Color, upper petals, pink; lower, white. Price plants in bud or blossom, \$6.00 per hundred; by mail postpaid, \$1.00 per dozen.

Farfugium Grande, fine plants, \$7.00 per 100; by mail postpaid, \$1.00 per dozen.

TILTON BROS.

No. 222 Grove Street, AURORA, ILLS.

CHRYSANTHEMUMS.

We have ready for immediate delivery the following rooted cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Major Bonaffon	4.00	40.00	Matual Friend	4.00	40.00
Eugene Dallebonze	4.00	40.00	Mrs. J. Geo. Hs.	4.00	40.00
Mrs. Jerome Jones	4.00	40.00	Miss Therese Key	4.00	40.00
The Queen	4.00	40.00	Mrs. E. G. Hill	4.00	40.00
Illuminator	3.00	30.00	Ada H. Leroy	3.00	30.00
Nivens	3.00	30.00	Ermlinda	3.00	30.00
Malmalson	3.00	30.00	Col. w. B. Smith	2.00	20.00
W. H. Lincoln	2.00	20.00	J. H. Taylor	2.00	20.00
Mrs. L. G. Whildalm	2.00	20.00	Joe H. White	2.00	20.00
Miss Sue T. Price	2.00	20.00	Ivory	2.00	20.00
E. G. Hill	2.00	20.00	Harry Balsley	2.00	20.00
Mrs. Geo. Bullock or Domination	2.00	20.00	Princess of Chrysanthemums	2.00	20.00

Swainsona Galegifolia Alba.

GET YOUR STOCK FROM HEADQUARTERS. Fine young plants \$6.00 per 100.

PALMS.

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Toronto.

There is little change to note in the state of trade since last week. The weather has been very bright and sunny, and roses are coming in in large quantities, but I don't hear that the scavengers are getting any of them yet. The snow has nearly all disappeared now, and the general public may soon be expected to show the first signs of interest in gardening matters. Times have been gradually getting better, and an improvement in the plant trade over last year may be expected.

A delegation of gardeners and florists from here and other cities and towns in Ontario will wait on the ministers of the Provincial Government on Wednesday (27th inst.) with reference to the formation and financial assistance to horticultural societies. At the present time the prospects for success are favorable, but like the S. A. F. charter, the project has a good deal to go through with before it finally becomes law. "There's many a slip, etc." The long talked-of annual jollification of the Gardeners' and Florists' Association will take place on the same evening in order that the country delegates may be duly entertained at the same time. The affair will be less formal than it has usually been.

The yellow calla has again been blooming at Reservoir Park, it is really a beautiful thing and apparently as free growing as the common white, the flowers are of a clear allamanda yellow, nothing dull about it.

Chester County Notes.

Prospects for building in "The Belt" are very promising. Wm. Swayne contemplates adding three houses 20x100 feet.

E. Swayne, on account of the sale of part of the ground on which his houses stand, will tear down one house and probably erect one or more new ones.

C. S. Swayne at "The Slope" will build a violet house 12x100 feet.

C. J. Pennock will build one house 20x100 feet, a cool house 12x100 feet, and put in new heating apparatus.

The Prospect Greenhouses will add at least one house 20x100 feet.

Jos. C. Chambers, formerly of Chambers Bros., Toughkenamon, has purchased a dwelling and lot in Kennett Square, adjoining Edward Swayne's establishment, and will build several greenhouses.

The following persons have decided or are contemplating the erection of houses for growing carnations, all in or near Kennett Square: J. M. Palmer, Wm. Taylor, John Balderston, M. Yeatman, and a son of the veteran grower I. Larkin.

W. B. DuRie of Rahway, N. J., and F. M. Pennock, Charlestown, W. Va., have recently visited Kennett Square and the growers of that vicinity.

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3 "	1,000	" 34 "	" 35	" 2 80
3 1/2 "	1,000	" 45 "	" 50	" 4 00
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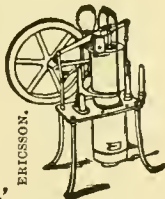
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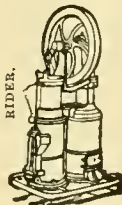
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Green-House Material.

The finest **CLEAR CYPRESS** used.

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Pat. Plant Tubs.

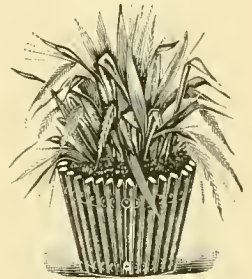
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Surpass All Others yet Introduced for Glazing Greenhouses.
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R. W. CARMAN, General Agent,
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St. Louis.

Trade still continues good; the retailers say they have felt no diminution on account of Lent, with the exception of the first week, at which time there was a decided quietude. Stock lately has been somewhat below the usual standard, owing to several weeks extremely dull weather the first part of the month. Carnations have not suffered as much as roses, and are of a somewhat better quality. Shipping still continues active, and promises to be heavier than usual for Easter. Plant trade is steadily improving, but it could stand a considerable increase in volume without rushing things.

At the last club meeting the committee having in charge the chrysanthemum show reported and submitted a list of prizes which it recommended the club to offer, the principal innovations being the calling for vases of chrysanthemums and carnations under name. All the changes recommended were adopted, and the committee continued. A final vote was at last taken on the proposed amendment to the by-laws of the club, changing the time of meeting from afternoon to evening, and it was carried.

Mr. Arthur Ellison reports after returning from a southern trip that business has been and still is good in most all points visited, many curious experiences are reported by the southerners in the endeavor to keep things warm during the severe and protracted cold waves that visited that section with unusual persistency this winter. Several parties froze out entirely, while one place reports being froze out twice. Mr. Joe. Rolker was in town on his annual trip; also Mr. Wulze, introducing Belle Siebrecht. Miss Oster-tag is having a "greenhouse store," if such a term is proper, built on Grand avenue but two doors from Geo. Wald-bart's. Geo. Waldbart and Fred. C. Weber have been notified to close their places on Sunday, as a result of considerable agitation made lately by a Sunday closing society of some kind. It the command is to be enforced it will work considerable hardship, especially at Easter.

Rannell Bros., who were operating the place built by R. Hausperger & Sons, have dissolved partnership, the eldest continuing the business. R. F. T.

J. N. STRUCK & BRO.

Manufacturers of

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Greenhouse Material,

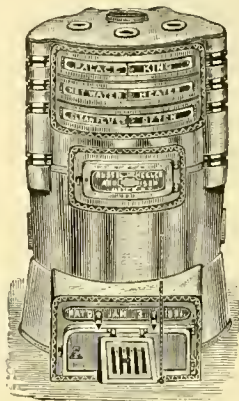
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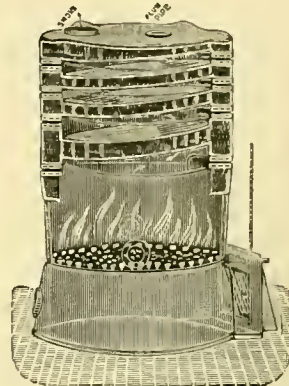
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713, 715, 717 & 719 Wharton St., Philadelphia, Pa.

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A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Doppfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

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STANDARD FLOWER POTS.

We will furnish you with prices on application, and will fill all orders promptly. Our Pots are excelled by none in the market.

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Write us before placing your orders elsewhere.

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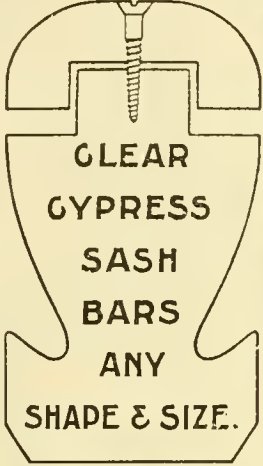
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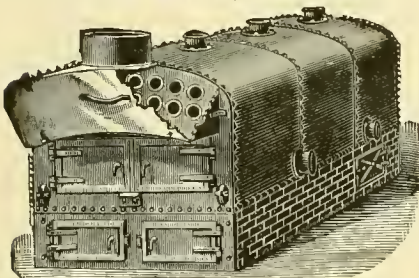
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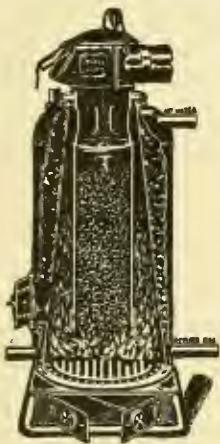
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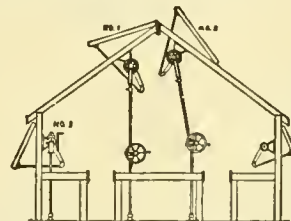
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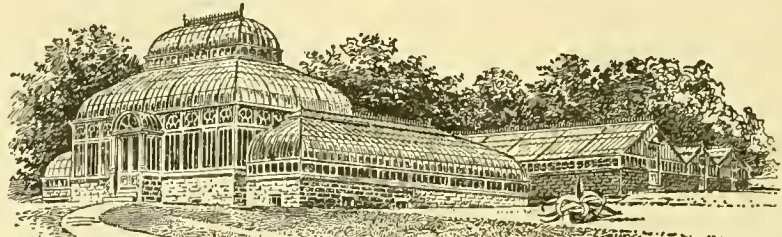
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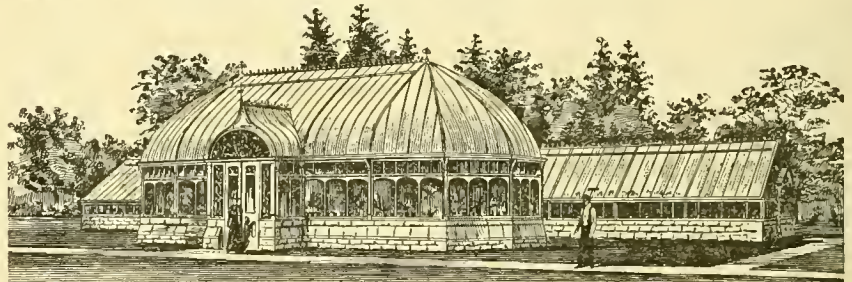
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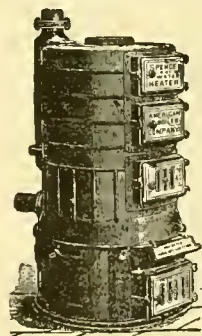
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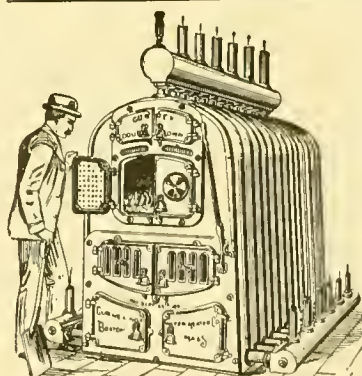
CRAWFORDSVILLE, IND.—McDonald & Steele are building two short-span-to-south houses 20x100.

PASSAIC, N. J.—Wm. P. Kesteloo has purchased the greenhouses and nurseries of Mr. A. Van Leuwen at Garfield, N. J., and has opened a second store in this city. Trade is much improved lately.

THE ANNUAL REPORT OF THE Fruit Growers' Association of Ontario, recently received at this office, contains account of their annual meeting, essays, discussions, etc., also reports of affiliated societies.

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Vol. X.

CHICAGO AND NEW YORK, APRIL 6, 1895.

No. 357

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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HYDE PARK, MASS.—Walter Butler of Readville has opened a flower store here at 3 Neponset Block.

SCHENECTADY, N. Y.—Mr. J. E. Felt-housen is attending to business again, after a nine weeks' illness with typhoid pneumonia.

PINK SWAINSONA.—Messrs. L. Templin & Sons, Calla, O., send us some sprays of the pink swainsona. It certainly is a very attractive thing as grown by them.

THE Society of Indiana Florists has issued the advance premium list for the ninth annual chrysanthemum show, to be held at Indianapolis, November 6 to 9 next. Copies may be had on application to the secretary, Mr. R. A. McKeand, Garfield Park, Indianapolis, Ind.

Novelties and Their Effect on Floriculture.

BY JOHN N. MAY.

[Read before the Florists' Club of Philadelphia, April 2.]

How very frequently we hear this remark made: "What is the use of buying novelties? It is only throwing good money away!" And invariably these remarks emanate from men who ought to know better, and I am often uncharitable enough to think that they do know better and only use above remark as a subterfuge. Possibly I misjudge them, if so I trust I may be able to show them in the remarks which follow that they are mistaken in the policy they follow—or profess to follow. No one, I think, will deny that the unfortunate introduction of inflated or very much overestimated novelties have a very detrimental effect on our business generally, and no one deplors that fact more than I do personally. Yet even this must be occasionally expected from the fact that from the multitude of annual introductions presented for our choice they will not all come up to the ideal standard of excellence with every one. The reasons for this are many and varied; treatment may be very different in one instance over another with disastrous results for the new candidate; dozens of other causes may and do occur. A new plant or flower may be a gem in its original home under the right treatment, but when it gets into other hands with indifferent treatment, soils, etc. may not be as good and at first cause some discredit to its introducer, but which, when better understood, may prove equally valuable in its new home. I am afraid many of us are inclined to condemn in such cases too hastily.

But, passing on to the influence of novelties in our business in the broad sense, it may be well for us to consider the same from various standpoints: first, then, what would our business be to-day if we had nothing better in carnations than the old President Degraw and its compeers of 25 years ago? or who is there among us bold enough to say that Lizzie McGowan was not fully worth all the price ever paid first as a novelty to the grower, the retailer and consumer alike? The same may be said of all the other good varieties introduced of late years. Could we ever have asked or obtained \$8 per-100 blooms for the old varieties? Would the flower-loving public at large ever have become enthusiastic over them? Would the widespread and greatly increasing interest in this lovely flower ever have been dreamt of without the startling advancement in the novelties which are being yearly placed upon the market? And if we had never bought any of the novelties what would our business of to-day be? *Simply retrograding!* Who can look at a fine bunch of Daybreak with its beautiful delicate tint of flesh pink and say it has not been worth its

weight in gold as an elevator and instructor for the advancement of floriculture? All other good carnations have their respective places in the drama; true, they cannot all be stars, but they play their parts well and we cannot overlook their merits, though some of them may have to be rejected after a trial, yet they all have some merits and help to increase the general interest in floriculture, thereby helping our business in a general way all along the line.

There is another factor to consider, and no one knows better than the retail florist how much the general public, or that portion of it at least who buy flowers, are influenced by new varieties. I am told by many who are in a position to study this point in various ways that many of the best flower buyers get tired of the same variety continually and often ask for something new. In all such cases when a new variety is presented to them with distinctive characteristics it is sure to find many admirers, and the very fact that "Mr. So and So has something new for sale" brings new inquiries for the same, which opens up new avenues for the ever increasing product of our green-houses.

Gentlemen, are these considerations worth anything to us in these days of sharp competition? If we are true to ourselves I think we must agree that it is a very material help, and this too, comes direct from the introduction of novelties. But you will think that I have said enough on the subject of the "Divine Flower." Please remember, though, that this flower is only a comparatively small portion of our wide range of business.

The chrysanthemum and its devotees cut a very small figure in our business fifteen years ago. Would it ever have attained the popularity of to-day if no novelties had ever been introduced? Would the hundreds, yes, thousands of work people it now gives considerable employment to have the same benefit from them as now? Would the magnificent shows dedicated to the "Queen of Autumn" as they now are, ever even have had an existence without the novelties continually being introduced to give renewed and increasing interest in the same?

I know there are many who do not like the chrysanthemum because it monopolizes the flower market generally for the short time it is in season, but, in spite of that it is a considerable factor in the floricultural world, and although it may not be as much sought after by some as it was a year or two ago yet they have undoubtedly come to stay and will find plenty of admirers, particularly as new forms, new colors and new types are introduced, and the quicker we realize this fact and apply ourselves to the same the better it will be for all concerned. In this family the introduction of novelties is of

the greatest importance, as many of the older forms, once the leading varieties, are continually deteriorating; this comes from the high pressure we run them at.

But there are plenty of other varieties of plants and flowers of equal or greater importance to our business in which the introduction of sterling novelties plays a very important part for the advancement of floriculture: How many among us to-day are there who would like to go back to the old varieties of roses of twenty years ago, and if he did where could he find a market for them? Such varieties as Safrano, Bon Silene, Isabella Sprunt and others of the same class. Just imagine, if you can, any grower bringing or sending such varieties and only such to any store in this city, and the result! well, I presume you will agree with me that he would not have to hire help to carry back the proceeds of his sales! Possibly he might sometimes realize enough to pay his railroad fare back home, that is if he did not live over twenty miles from Philadelphia. And yet, without the novelties in this family we should still have to grow such and in that case I would never have made money enough to pay my fare here, which undoubtedly would have been a good thing, as it would have saved you the trouble of listening to the disagreeable things I am saying to you now. But, as I am here, in spite of all objections, I cannot help saying that it is novelties and their influence on horticulture that has brought me here to-night, yes, and many times previously also. If we wish to keep abreast of the times (and who does not?) we must certainly encourage the introduction of all the sterling novelties. I do not wish to be understood by this that we are to try everything that is offered under the head of new things, as very many of them are no advancement over existing varieties, but, when a genuine novelty is offered it is to our benefit if we take advantage of it.

If you wish to find out the importance of new things go into the designing rooms of any of our large dry goods manufactories; there you will find many of the best designers in the country constantly employed getting up new and improved patterns which the market and the general public demand. Ask the dry goods merchant if he can sell the same patterns year after year and the answer will quickly come: "No; we must have new designs and that in large numbers every year." These are gotten up to meet the taste of exactly the same class of buyers that we in the florist business have to cater to, hence the reason for our constantly trying to get new and improved varieties. I am fully aware that many are deterred from buying new things because they find it very difficult to get at the facts regarding their merit; this I think we can largely overcome; if we can not go to the place where a certain novelty, for instance, a new rose, is growing preparatory to introducing it, we certainly can or ought to be able to obtain the desired information through our Florists' Club, and if the proposed plan of appointing a committee to examine and pass upon the merits of new plants and flowers that may be brought to their notice is put in operation I think we shall be making a strong point for every member of such clubs and also put a strong check upon anything which is not a decided improvement upon older varieties, as such a committee will have ample opportunities to examine anything within reasonable distance from their own club, not only as sample cut blooms or a speci-

men plant, but as it is growing, where its habit, free flowering qualities, etc., etc., can all be carefully noted; under such conditions the endorsement of a committee of practical and competent men should be sufficient guarantee for anyone, and if the plan is universally adopted by all the clubs in the country each club could be a bureau of information for its members. This is not applicable to foreign varieties, as climate and differences in treatment renders any opinion of a variety subject to many modifications coming from there; and while we have to thank the European rosarians for many sterling things in new roses yet the good ones are only a small, yes, very small percentage of those sent to us. Possibly in the near future we shall not need to send there for all the new and improved varieties suitable for our business, but this is digressing from the subject, which I hope you will excuse.

Many of us, from our constant and every day contact with them, regard flowers somewhat as the man does stones who is always engaged in crushing them to repair roads. With him it becomes natural to think that the only use for stones is to be broken up and walked upon, quite overlooking the fact that from the very same material many, very many, of the most beautiful temples, churches and all other classes of buildings are erected. The only difference is that greater skill is brought to bear upon the original material, and we see all around us what magnificent results are thereby produced. And we, with the most beautiful of all Nature's creations (flowers), are very apt to see only one feature connected with them, viz.: the money we can make out of them, overlooking the fact that they are destined for a higher and nobler end, namely to lift up and elevate mankind, and the more beautiful and attractive we can produce them the more will they appeal to all who behold them, hence all the greater reason for us to persevere in the production of improved varieties. Perfection in all points is not easily or often obtained, but when the clear yellow rose is produced which is a fit companion for that queen of all tea roses, Catherine Mermet and her daughters, then it will be a golden gem which we shall all prize, the alpha and omega of all our hopes and fears. All honor to the man who can produce it and may every success attend its footsteps. "Upward and Onward" is the motto we should all try to emulate, and we must do so if we wish to keep the vanguard.

The florists of the "City of Brotherly Love" have in the past always been in the front rank, long may they retain the honor they have won is the earnest wish of yours fraternally.



Carnation Notes.

An inquiry came to me during the past week as to when and how to plant young stock outside. While very willing to give my experience to my fellow tradesmen, yet I have not the time to answer the numerous questions that are sent me except it be through this column. Outside planting must be done thoroughly and well, and many failures have been made

through a lack of practical experience and the use of a little common sense. I have checked the growth of fine young stock by planting according to the usual custom, that is just after a heavy rain, when the ground is in a very wet condition. This I believe is wrong, because the soil which has been pressed around the young plant is very apt to become baked; this is especially so in a heavy soil, as the dropping and setting of the plants requires considerable walking between the rows (when not planted in narrow beds) the result of which is a packing of the soil which can not be remedied during the whole summer. I am therefore of the opinion that it is much better to wait until the surplus moisture in the soil has been allowed to drain off before the ground is even marked out. Some may say that if this plan is adopted and a drouth or even a short spell of very hot weather follows the planting, many plants will die, to this I would reply that the best success I have ever had in planting not only carnations, but even such tender plants as balsams, was when the ground was as dry as ever I have seen it. This was accomplished by simply "wetting" the plants in, a term applied to the process of pouring a little water into the hole in which the plant is set at once, and the roots covered as soon as possible, and the surface of the ground around the plant covered with dry soil.

But to go back to the starting point. I plow the ground, everything being favorable, May 1, harrow well, mark the ground with a Darnell marker, horse power, then if the ground is fairly moist the plants are taken from bench or flat as the case may be, the roots thoroughly wet and plants set eight to ten inches apart in the row. If the ground is quite dry we wet them in, and by wetting in we can plant at anytime, no matter how hot the weather may be. If any one is skeptical on this point, let him try it with a few plants. One great advantage in planting in beds is the fact that by using narrow beds no walking on the soil is necessary.

Carnations make most of their roots near the surface, and where horse cultivation is used the teeth of the cultivator are sure to disturb and cut off many young roots, thus checking the growth of the plants. It is absolutely necessary to keep the soil loose on the surface; this can easily be accomplished in beds by the use of a narrow iron rake, which by the way is a tool that is far more serviceable as a weed killer than a hoe if used in time, and the man who leaves weeds to be killed after they show above ground does not understand his work. Of course there are times when, if a man has a great amount of land to work, the weeds will be apt to get ahead a little, but the time to kill weed is before they are seen. I would not make this statement if I had not had a tough experience in earlier life by following out the old plan, waiting until the ground was green with weeds before hoeing.

Young stock that has been hardened off in a cold frame can be planted as early as April 15, but I would not advise putting out stock from the houses until after May 1.

CHAS. H. ALLEN.

Three New Carnations.

Mr. E. G. Hill of Richmond, Ind., recently brought specimen bunches of his new carnations, Triumph, Jubilee and Armazinda, to us for inspection. Triumph is a very fine pink in the way of Albertini, but possessing several advantages over



ORCHIDS AT RESERVOIR PARK, TORONTO, ONT.

that variety. Jubilee is an excellent very bright scarlet that will undoubtedly be heard from later. The color is very brilliant and attracts immediate attention. The stem is long and stout, and if the variety is as productive as seems likely, it will surely be an important trade sort. Armazinda is a white, very lightly striped with carmine; it is undoubtedly a very pretty flower and is borne on good stout stems. The three varieties attracted considerable attention while here, but nearly

all the growers who saw them seemed to think that Jubilee was the most valuable one of the three. Triumph was also very warmly commended.

Orchids at Toronto.

The accompanying engraving is from a photograph taken February 4 last in the conservatory at Reservoir Park, Toronto, Ont. At the upper center and in the upper right hand corner are specimens of

the white form of *Cattleya Trianae*, to the right of the center is *Phaius grandifolius*, while in the central lower part of the picture are *Cœlogyne flaccida*, *C. cristata*, *Calanthes Veitchii* and *vestita*, etc.

DO YOU WANT the census statistics regarding the florist, nursery and seed trades? You will find them in our trade directory and reference book for 1894. Price \$2.00.



Blind Wood on Tea Roses.

What causes our roses (Brides and Mermets) to run so much to blind wood, especially around the bottom of plant, and should that be cut away?

We find usually one or two good stout stems growing up and a lot of blind wood at base. If we cut away the latter all subsequent blooms must come from side shoots of former, and the question arises with us, does that give bearing wood enough to be profitable? KANSAS.

Many other correspondents complain that Mermets and Brides produce considerable blind wood this season; of my own personal observation I have not seen any with more blind growths than usual, as this family always produced considerable short-jointed, small shoots which are not strong enough to produce flowers. Some ask if it would not be better to cut this blind wood away. To all such I would say that the leaves are the lungs of all plants and the more healthy breathing surface you can keep on your plants the better they will grow and the finer the flowers they will produce. Just in the same relative proportion that healthy lungs are to the animal kingdom so are clean healthy leaves to plants; therefore, if we wish to keep the latter in the best possible health and productiveness we must keep all the clean, healthy foliage on them possible.

One reason why the plants of "Kansas" and others are not producing as many blooms as they might possibly is because they are not furnished with the proper amount of food necessary to produce strong shoots. If I have been rightly informed (as I understand it) the soil of Kansas, or that portion of it at least where the inquiry comes from, has a superabundance of alkaline matter in its composition. This in too large a proportion is not conducive to the highest development of rose plants. To counteract this there is nothing that I have ever found better than well decomposed cow manure, which in such soil can be used more liberally than is generally considered sufficient. Possibly at the present time, if "Kansas" has such at his command a mulching of the same, broken up fine and covering the whole surface with it from $\frac{3}{4}$ to 1 inch thick will materially help his plants to produce stronger wood, which means a much better crop of flowers. In all such soils any fertilizer made from bone in any form will hardly be desirable, as their nature is somewhat drying to the soils, while the natural soil requires something more in the form of a sedative. The same rule applies to very light sandy or gravelly soils in the main, though of course there are always exceptions, which can only be determined by the grower in actual trials and tests of materials most suitable for his particular soil. No rule can be laid down suitable for all alike. While the general principles should govern us in such matters the smaller details of treatment must be worked out by each to suit our own particular requirements, hence I can only

offer suggestions, not knowing what particular soils, their composition, etc., my correspondents have to deal with, but hope the above suggestion may be of some assistance to them and possibly to others.

JOHN N. MAY.

Summit, N. J.

Club Root.

In reading Mr. May's interesting article in the FLORIST of March 16 upon club root I find he speaks of examining clover roots and as having found upon them small nodules, containing numerous "nematoids." Has he not mistaken these nodules for the ordinary nitrifying tubercles which develop upon the roots of all species of the Leguminosæ, and are not only harmless, but absolutely necessary for the normal development of the plant, whether it be clover, pea, bean, vetch, etc. The presence of microbes in the soil occasions the formation of peculiar tuberosities or swellings on the roots of these plants, and these tuberosities, which are not formed in "sterile" soil, are found to be remarkably rich in nitrogen and swarming with bacteria. The benefit resulting from these micro-organisms in leguminous crops, by the enriching of soils in nitrogen, is now an established fact. However, I do not wish to question the fallibility of Mr. May's statements, unduly, but have not known eel worm (*Heterodera radicola*) to be in clover, although have always found the nitrifying tubercles and filled with vibrating bacteria.

Of course it is absolutely certain that eel worm is the cause of clubroot on roses, and these small galls appear at times very much like those on the clover.

It is surprising to find how the eel worm is gaining a foothold, but such seems to be the case. I find that in a number of establishments Mme. Cusin seems to be the variety most susceptible to its detrimental influence. Strange to state, I found recently, when throwing out some apparently strong and vigorous Bride bushes (4 to 6 feet high and some 7 feet) that the roots were infested with galls (eel worms). I can corroborate Mr. May's statement in regard to this little pest being in all soils, or so far as I have observed, especially so in manures.

In regard to "millipedes" I might state that tobacco stems, or any form of it (tobacco), spread over the benches will quickly kill these Myriopods, if they are the *Polydesmus*, as I suppose they are.

Lansdowne, Pa. A. J. PENNOCK.

Rose Leaves Becoming Sticky.

What is the matter with my roses? The leaves look healthy but they are sticky and look as though they had been oiled.

H. J. R.

Replying to your correspondent "H. J. R.," from the description given I think the sticky substance on the rose leaves comes from allowing the young shoots to get covered with aphid (greenfly); the sample leaf sent at any rate shows traces of it; where greenfly is allowed to become at all numerous the leaves will invariably become covered with a substance similar to that described. If I am right in guessing at this, the first thing to do is to get rid of the greenfly, and then two or three good syringings will clean the leaves off, leaving them bright and fresh; but the quality of the flowers certainly suffers from the effects, and the whole health and well-being of the plant is certainly injured by allowing these troublesome little insects to get established, and as they

multiply so very fast it takes only a few days after the first ones put in an appearance before the whole house will be well stocked. Far better adopt the rule of "Prevention better than cure" with them. If kept constantly checked they never give much trouble, but if they are allowed to become numerous then it takes considerable trouble to clear them out, besides doing much injury to the plants generally.

JOHN N. MAY.

Attention to Leaks.

In your issue of March 30 is an article without signature under the title "Stop the leaks." Whoever the writer was he knew the business most thoroughly, as well as possessing the facility of putting his experience into most concise language. It pleased me so much that I ordered a dozen extra copies to distribute among my friends in the trade, where I thought it would do the most good. It was written I should say, by an employer, and if the attention of an employee be drawn to this article with the remark "Read, mark, learn and inwardly digest" he (the employee) will most likely insinuate, politely of course, that the old man had better curtail some of his peculiarities. But really that is not to the point, because the old man must have had economical habits and thrift, or he never could have had employees to hand this most practical article to. To review the whole of the many good things would take up too much of your valuable space; from beginning to end it is good. Paragraph number four is particularly commended to second assistants. This is the ash barrel or rubbish box paragraph, and is a gem of purest ray serene. Of all five of these valuable lessons this one struck me most acutely, because I am a victim. To any one who runs a store and has to trust to the artistic (?) taste of his clerks the logic and truth of this paragraph must be most impressive. Now seriously, what has the art or rather method, of design making evolved or rather degenerated into? We are all too well aware that competition has by no means raised the price of ordinary designs; on the contrary, compared with the prices of 10 years ago, there is easily a drop of 30 per cent. or to be plain in size and price we now make as large a wreath or cross for three dollars as we did for five dollars 10 years ago. Admitting that a great improvement has taken place in all our designs, not only in funeral designs, but in baskets, bunches, and general decorations, how many are there at the business who show any really original taste? It is simply a game of follow the leader. We all remember the wreath or cross of 20 years ago, whose outline resembled Mary's little lamb, relieved only by a tuberose or Safrano bud here and there, just to show that the lamb had excrescences. A few bright lights in the business broke away from that, and by degrees (not all at once) we are where we are to-day, and where is that? It is where you can't make up designs and compete with your neighbors, pay fair prices for your flowers and pay expenses, and why is this? Simply because nine out of ten men and perhaps women who make up designs, exercise no taste, but make up for a lack of taste in an almost vulgar use of expensive flowers. If a customer orders a wreath, pillow, or any other design to be made of lily of the valley, there is usually a remunerative price charged for it, the same as a basket of Jacq roses, but those orders are the exception, and particularly in the funeral business the great majority of orders is

left to the taste of the florist. "It shall be perfectly satisfactory, ma'am." "I'll make it rich" etc., and rich it is, if a great amount of expensive flowers jammed in without a particle of taste can be called rich. How true those words from the article referred to: "There is no qualification more to be desired in design making than the ability to produce the maximum effect from the minimum quantity of material." Every clerk in a flower store that I have ever had the honor of meeting considered he was an adept, in fact an artist, in designing, while he could not handle a corn broom to sweep out a store expertly. Give him 20 carnations, 30 Bride roses, 27 Mermets and 33 lily of the valley with some smilax, and he will make you an "elegant" four dollar design. An absurd lavishness, almost vulgarity, has taken the place of any attempt of skill or taste, much less art. Real artists in our profession there are, and I hope many of them, but the great majority of our "makers-up" are no more artists than those men who follow the useful trade of "putting down" sauer kraut in the fall.

W. S.

About Those Leaks.

In your last issue I read with care and pleasure the article on stopping the leaks, and must say that it is good, as it opens up to liberal and unprejudiced thinking men the different channels in which profits melt away. At the same time I would like to comment on each clause, and object where my judgment says it ought to.

The opening remark is really a "chestnut," as any business man knows that looking after the small details is of most vital importance where profit is considered. Larger items, from their magnitude, must command thought, and as a rule, without criminal negligence, they will take care of themselves. In the free and easy methods of a few years ago small details were not of the same consequence as at present. Take one of them, like paper, then old newspapers at 25 cents a 100 filled the bill, and if not old second-hand grocery paper—anything was good enough for flowers. Shoe boxes were almost given away; at least the only pay demanded was a few plants for a wagon load of them. Nowadays we must keep up with the times; we older members must fall in with the fashion of the day or get left. Competition is sharper than ever. The florist of a few years back had no opposition as compared with to-day; he could deliver goods the next day if he chose, and wrap them in any kind of paper. Now close competition compels him to conform to fashion, and deliver by a messenger.

Now, with regard to greenhouses generally the first clause, as I call it, is especially to the point, for if the grower wants to make his business pay he must utilize every foot of space at his command, and also every minute of his employee's time. As we all know, the margin of profit is small, not only in the florists' business, but in all others. The man who wants to gather in the produce must be on hand both early and late to see it produced. Do not depend on others; don't, when disappointments come, blame some employee, but say "I am to blame for not attending to business," and if you do not attend to this early morning and late at night you must expect, at the end of the year, to find profits cut down. A man who employs 8 or 10 men can easily make a good living by attending to this part of his business, by seeing that his men are kept employed.

The same principle applies to the retail trade, for store clerks want supervision equally as much as greenhouse men. The necessity of light, paper, boxes, messengers and telephones is now recognized, and forms a part of the business. Yet if the "boss" is there it will make his clerks think twice before using too much paper, string, flowers or messenger service. Yet this supervision must not be carried too far; he must not imagine that he is living in the days of his grandfathers. Horse cars are out of date, and trolleys are in fashion. Customers, when they want flowers, will not wait the convenience of the seller, but wish them sent at once. Fashion and the general way of doing business now must be adhered to if one expects to reach "affluence."

Our goods are, we know, perishable, and there must necessarily be some loss, but that loss can be reduced to a minimum, and that depends wholly on the buyer, let him be proprietor or head clerk. Even if he ever overbuys himself, which all are capable of doing once in a while, still the principle holds good, for with ordinary skillful management he will in these isolated cases at least come out even. As for the suggestion that in some establishments loss amounts to the rent, it certainly can only be applied to a small town, where rents are low, or to a mismanaged institution. As to the matter of waste in greenhouses there is a deeper scope for thought. Space unprofitably used is a greater loss than unused space. In the first you have to pay labor, etc., in the latter simply rent or interest in value of space. Any grower who through mismanagement, lack of knowledge, etc., has space occupied with unprofitable goods, should throw stock away, as he is only losing more money every day. But the live man will acknowledge it, and go to work once more, putting in some other crop that will be profitable.

"How about the store?" This clause I must take exception to, not because I am a store man, but because of the expression "cussedness" of employees. According to this the writer must have had sad experience with a store, or never owned a range of glass. I think as a rule store clerks are as free from cussedness, and perhaps more so, than greenhouse hands. There certainly seems to me to be more chance to show "cussedness" in a greenhouse than in a store; the scope is so much wider.

As to the suggestion to look over the rubbish box before having it carted away, what a terrible experience the writer must have had. Think of flowers being thrown away by the hundred to avoid cutting the stems, to say nothing of rusted wire, tangled string and "down trodden" designs. What executive ability must have been shown in such an establishment by either proprietor or manager. It seems impossible for such negligence or criminal carelessness to prevail at the present day. But worse yet; Scollay's thrown out! I would like to work for the writer; what a snap!

In the last clause we come to a much more thoughtful matter. Any thinking and practical man, or any man not troubled with the idea that theoretical knowledge is supreme, knows that the profit and general artistic effect of made-up work is due to the least quantity of flowers that can be used to produce the same. In our business quality of workmanship, combined with quality of goods, will "get there." The man who undertakes to make up an \$8 pillow with flowers worth \$2.50 will finish by winning the booby prize.

One great mistake with employers generally is that when they are growers and retailers both if, through negligence or lack of knowledge, they fail to realize from a certain crop, they complain "the store doesn't pay."

A remark I take exception to is that a man may have too much business. The man who says that at the present time is lacking in knowledge of business or in executive ability, for with a good staff of employees one cannot have too much business nowadays. As to large orders being uncertain in profit I must consider them, as a rule, more profitable than smaller ones.

The closing remark in the article is a reflection on our nationality as Americans, which according to the latest rendering means push. The very idea of a man in this country not desiring to do more business than he can "personally" watch! Where would our mammoth enterprises of the present day be if we adopted that suggestion? Is it that florists' employees are less trustworthy than others, or are the employers in our business less liberal? Shame, gentlemen, don't forget that as a rule we were employees, and thought we were doing our very best for our employers; we should quickly resent any innuendoes suggesting that we were wasteful.

EDWARD I. MEPSTED.

Awards at the Spring Exhibition of the Massachusetts Horticultural Society.

Roses: 12 H. P., first David Nevins, second Jas. Comley; 6 H. P., Jas. Comley; 12 Brunner, David Nevins; 12 American Beauty, John P. Spalding; Catherine Mermet, T. H. Mead, Wm. H. Elliott; Meteor, C. V. Whitten; Gontier, Wm. H. Elliott; Bride, Wm. H. Elliott, C. V. Whitten; Bridesmaid, F. R. Pierson Co., J. P. Spalding.

Pansies: First, second and third, J. S. Fay. Violets, H. S. Rand, N. T. Kidder and David Nevins.

Carnations: General display, Wm. Nicholson, F. A. Blake; crimson, Wm. Nicholson, A. H. Fewkes; dark pink, Wm. Nicholson, F. A. Blake; light pink, J. H. White, Wm. Nicholson; scarlet; Wm. Nicholson, L. H. Foster; white, David Nevins, F. A. Blake.

Indian Azaleas: 6 large specimens, Dr. C. G. Weld, Jas. Comley; four in 10-inch, Bussey Institution; two in 10-inch pots, Edw. Butler, Dr. C. G. Weld; one specimen, Edw. Butler, Bussey Institution; one in 8-inch pot, E. S. Converse, Dr. C. G. Weld.

Orchids: General display, Mrs. F. L. Ames, John L. Gardner; three plants, Edw. Butler; single plant, Edw. Butler, N. T. Kidder.

Four hard-wooded greenhouse plants in bloom, first and second, Dr. C. G. Weld.

Four hardy flowering deciduous shrubs, first and second, Bussey Institution; and for six hardy azaleas and four hardy flowering evergreen shrubs.

Cyclamens: 10 large plants, Mrs. B. P. Cheney, Geo. M. Anderson; 10 in 7-inch pots, Dr. C. G. Weld, Mrs. B. P. Cheney; single plant, N. T. Kidder, Mrs. B. P. Cheney.

Hardy primroses: John L. Gardner. Polyanthuses: Bussey Institution. Auriculas, Dr. C. G. Weld.

Cinerarias: Six plants, Geo. M. Anderson, John L. Gardner; three plants, James Garthley, Geo. M. Anderson; single plant, James Garthley, John L. Gardner.

Hyacinths: Twelve pots, Dr. C. G. Weld, Bussey Institution; six pots, Dr. C. G. Weld, E. S. Converse; three pots, Dr. C. G. Weld, E. S. Converse; single pot, E. S. Converse, Dr. C. G. Weld; three pans of ten bulbs each, Bussey Institution, Dr. C. G. Weld; two pans, Dr. C. G. Weld, Bussey Institution; single pan, Dr. C. G. Weld, E. S. Converse.

Tulips: Six 8-inch pans, nine bulbs each, Dr. C. G. Weld, W. S. Ewell & Son; three 8-inch pans, E. S. Converse, W. S. Ewell & Son; three 10-inch pans, twelve bulbs each, Dr. C. G. Weld, Bussey Institution.

Polyanthus narcissus, four pots of 3 bulbs each, Dr. C. G. Weld, Bussey Institution. Jonquils, Bussey Institution, W. S. Ewell & Son.

Longiflorum and Harrisii lilies, Bussey Institution. Lily of the valley, Bussey Institution, W. S. Ewell & Son. Anemones, first and second Bussey Institution.

Freessias, Dr. C. G. Weld, John L. Gardner; ixias and tritonias, 6 pots of each, Dr. C. G. Weld; Roman hyacinths, six 8-inch pans, Dr. C. G. Weld, W. S. Ewell & Son.

General display of spring bulbs, W. S. Ewell & Son.

Easter Flowers at Chicago.

ED. AMERICAN FLORIST:—In your Chicago article in the last FLORIST you mention the fact that there is much speculation as to the supply of Harrisii for Easter. I believe that the anxiety among the retail trade is to find where they can get their orders filled with good stock. That there will be a scarcity of good Harrisii there is no doubt. I have given a good deal of attention, for some years past, to the supply of flowers for the holiday trade here, and especially to the Easter holidays, and have generally formed an accurate idea of the stock of lilies and other flowers likely to be on hand. You estimate an output of 50,000. I should infer that you meant 50,000 flowers. I should place the amount much higher; this would include the smaller places that grow plants and sell at retail. From my knowledge of the plant trade in Chicago I believe that from 8,000 to 12,000 pot lilies could be sold or used in decoration by the retail florists. This would be equivalent to about 50,000 flowers for pot plants alone. I do not mean to say that this amount of plants has ever been sold, or that so large an amount is likely to be sold in the near future, but that they could be sold if every retail florist would keep pot plants on hand, as well as cut flowers. Many of our largest retail florists do not pay any attention to the plant trade, on account of the difficulty in delivering them during the rush of other business. The florist who tries to sell his customers only what he has in stock is soon to be superseded by the one who furnishes what they want, and in the form desired.

J. T. ANTHONY.

Fire Insurance.

The S. A. F. committee on fire insurance are in receipt of the following communication from President E. A. Walton of the National Board of Fire Underwriters:

THE NATIONAL BOARD
OF
FIRE UNDERWRITERS.

NEW YORK, March 23, 1895.

Committee of the Society of American Florists.

Dear Sirs:—We acknowledge receipt from you of a proposed classification of Greenhouses adopted by the Society of American Florists, and note your suggestion that you believe its adoption would be of benefit to the owners of this class of property and also to companies insuring them.

While we are not prepared to express an opinion at this time as to the completeness of the schedule submitted, we are quite decided in the view that it is a move in the right direction. It seems proper to advise you, however, that this Board is not now a rate-making organization, having some years since devolved that work upon other associations throughout the country. We do all that we can to sustain the rates of such organizations when made, and are always gratified to take any action in our power which may be helpful to them.

We shall take pleasure in submitting the classification which you have transmitted to us to these associations for their consideration, and for your information, name the following to whom it has been sent:

C. M. Goddard, Secretary, New England Exchange, 55 Kilby street, Boston.
W. J. Frederick, Sec. Underwriters Ass'n of N. Y. State, Syracuse.
E. G. Snow Jr., Sec. and Treas. N. Y. Suburban Underwriters Ass'n, 44 Pine street, New York.
E. R. Clemence, Sec. Underwriters Ass'n of Middle Dept., 316 Walnut street, Philadelphia.
C. L. Whittemore, Sec. The Union, Chicago, Ill.
Chas. C. Fleming, Sec. Southeastern Tariff Ass'n, Atlanta, Ga.

Thanking you for your communication, we are,
Yours very truly,
(Signed) E. A. WALTON, Pres't.

This action of Mr. Walton places the classification of the national society directly in the hands of the rate-making powers of the country. The favorable comment of Mr. Walton will no doubt secure careful consideration for the greenhouse classification by the various boards

to whom it has been referred. We give the classification which so far has been successful in winning its way with the National Board of Underwriters.

To the National Board of Underwriters:

Gentlemen:—We herewith hand you a classification of greenhouses which has been adopted by the Society of American Florists, believing that its adoption would be of mutual benefit, both to the companies insuring and to those insured.

CLASSIFICATION.

First. Greenhouses in good condition heated by hot water or steam, or both, where boilers, flues and pipes are properly insulated, and having fireproof boiler pits. Each house being separate and detached, except for one connecting hall or shed to each one hundred feet in length of the house, with water under pressure on the premises, and being within reach of a fire department. A watchman on the premises at night, while firing is being done, one per cent for three years.

Second. Greenhouses heated partly by hot air flues and partly by hot water or steam, or both. All other conditions same as above. Two per cent for three years.

Third. Greenhouses heated by hot air flues in especially good condition. The other conditions the same as above, three per cent for three years.

Add for no watchman twenty-five per cent to rate of premium.

Add for no fire department twenty-five per cent to rate of premium.

Add for no water under pressure fifty per cent to rate of premium.

Old and dilapidated houses heated by flues to be excluded from insurance.

Kiudling wood in contact with flues, boilers or steam pipes, or iron flues in contact with wood-work of any description, to cancel obligation of company insuring in case of loss.

Where oil is used as fuel the risk is to be governed by the rules of insurance companies regarding its use.

We believe risks as above could be profitably taken at above rates.

E. H. MICHEL,
J. G. ESLER, Committee.
E. A. SEJDEWITZ,

Approved of and endorsed by the Society of American Florists.

(Signed) EDWIN LONSDALE, President.
WM. J. STEWART, Secretary.

Boston.

The announcement that Mr. W. E. Doyle would address the club on the tendencies of the retail cut flower trade brought together a good audience of representative men at the April meeting of the Gardeners' and Florists' Club. Mr. Doyle's presentation of the present condition and tendencies of the business as seen from the standpoint of a retail dealer was dispassionate and forcible, and his deductions were logical and convincing. The prevalent notion among the strictly retail people that the club has little value for them received a decided set back, and Mr. Doyle's remarks showed that the growers and wholesalers are not alone in their need for organization, but that there are many directions in which the retailers might by united action greatly benefit their own special department, and at the same time add their contribution to the common good.

After a brief reference to the condition of the business in Boston as it existed twenty-five years ago, the grand strides it had made, and its present proportions as compared with its unpretentious origin, the speaker touched upon the qualifications necessary for success in the business to-day. To be master of his business he said a man must enter into it heart and soul, love it and study out features to make it effective, and at the same time take the most money out of it. He condemned the practice sometimes indulged in of trying to work off on unsuspecting customers violets or other stock which were not fresh, and said he believed it to be practical economy in the long run to throw such goods into the dirt barrel. A good business reputation is made slowly and with difficulty, but is very easily lost, and customers, who often do not know themselves just what they want and depend upon the florists' judgement and

honesty should be conscientiously treated and no advantage taken of them. In this line the question of competent clerks and salesmen was considered by the speaker as a vital one. He regretted the lack of plant knowledge in the young men available as store clerks at the present time, and said that the old saying, "give him a knife and a ball of string and he is a florist" has no longer any meaning. Young men should try to equip themselves so as to be able to answer truthfully questions as to character and requirements of plants, and the older florists owe it as a duty to the coming generation to encourage them in it so that the advance in the business for the next twenty years may be as great as it has been in the past.

Mr. Doyle then referred to the trouble experienced with modern grown flowers, carnations especially, in regard to their keeping qualities. The complaint is getting so general that if prompt measures are not adopted to ascertain the cause and provide a remedy the best interests of growers and dealers are bound to suffer severely. He had tried every possible means in caring for the flowers after receiving them, but without success; carnations frequently lasted but a few hours, and he was convinced that the source of the trouble lay at the fountain head in the present methods of culture; excessive forcing in high temperature and the immoderate use of fertilizers were in his opinion the main cause. He spoke in strong condemnation of the use of "fairy flowers," and other dried material in funeral designs as a substitute for fresh flowers. He characterized this as an imposition upon buyers, who in their grief were willing to trust the florist to supply them with what they wanted and were paying for, and also a wrong to the growers, who were entitled to the loyal support of the dealers. The habit of sending men to places where grief was in the house to pull the bell and solicit business he condemned with vehemence; no man who is reputable in his business would be guilty of such a practice, which degrades and brings discredit upon our calling, and all these things are sure to react on anyone who indulges in such practices.

The relations between the grower and retailer were dwelt upon at length, and the desirability of mutual good understanding emphasized. Many of the old favorites among the flowers might, in the opinion of the speaker, still be grown and sold at a profit, and he instanced the Marechal Niel, Bon Silene and Safrano roses as illustrations. All these could still be sold profitably on the Boston market if of good quality; in our enthusiasm after new things these things had fallen into undeserved neglect. Concluding he referred hopefully to the prospects for business prosperity in the future, a great incentive being found in the fact that the flower trade, although a luxury, has not suffered as others have in the recent depression.

The speaker was frequently interrupted by tumultuous applause, and he evidently had his audience heartily in sympathy with him. A discussion followed. Mr. M. H. Norton agreed with Mr. Doyle as to the need for some of the old fashioned roses. He had grown two benches of Bon Silene the past season, and the buds were in many cases engaged several days ahead. He too had experienced great trouble with carnations, which frequently last but a few hours. He had found little difference as to the comparative keeping qualities of flowers that had or had not been disbudded. The stems he thought were unnecessarily long, twelve to fifteen

inches being sufficient for all requirements.

Mr. W. H. Long thought likewise. He believed there was too much effort being made for size, and the trouble with flowers now is that the head is larger than the legs will bear. Would be better satisfied with carnations of moderate size, but better keeping qualities. He mentioned that roses from which the thorns had been removed seemed to fade more quickly on that account. Mr. Thos. A. Cox here got in a word to the effect that the retailers were all to blame for the present conditions. They wouldn't be suited with a rose unless it was the size of a cabbage. "You can't persuade these people," he said; "they actually want heliotrope a yard long now and violets a foot long."

Kenneth Finlayson thought that over-culture had much to do with the wilting complained of. This was to be seen not alone in cut flowers, but in pot plants of all kinds which had been overfed and grown in too high a temperature, and thus become oversensitive to draughts, etc. Jackson Dawson advocated the preparation of cut flowers by placing them deep in water for some hours after cutting, before marketing them. Flowers were frequently allowed to become too fully expanded on the plants also; this was particularly true in the case of deutzias and other shrubby flowers. He applauded Mr. Doyle's sentiment in reference to the proper education of young men intending to become florists, and urged the necessity that clerks should be polite, obliging and intelligent, whose word could be relied upon if they are to be assured of success. He thought that the abandonment of the good old fashioned flowers was due fully as much to the florists as to the growers, and predicted that the demand for enormous sized flowers would soon show a reaction. This Mr. Norton took exceptions to, and laid the blame on the growers, who he said were trying to beat each other at growing the biggest blooms. He also deprecated the lack of knowledge among the clerks of the present day, but was interrupted by Mr. Cox, who wanted to know where the boys can be found nowadays who will be willing to work as boys used to work, and asserted that there were none such in his neighborhood, whereupon Mr. Warren Ewell pertinently inquired "Why don't you raise one?" and Mr. Cox subsided amid uproarious laughter. Mr. P. Welch was the last speaker. He agreed with all that had been said as to the demand for better keeping qualities in flowers produced for the market, and believed that any improvement in this regard would greatly benefit and strengthen the business.

A notable feature of the recent spring show was the very deep interest taken by visitors in general in the orchid display. These attracted more attention than any other department of the exhibition. For the initiated there was a special treat in the Ames collection of odontoglots, which included such gems as *O. crispum Wellesianum*, *O. crispum Vinckianum* and *O. eugenes*. *Cypripedium* Mrs. F. L. Ames, a hybrid between *tonsum* and *Fairieanum* raised by Mr. Robinson, was also in this display.

The competition in table designs came off on the fourth day of the exhibition. There were but two competitors, Mrs. E. M. Gill and Mrs. A. D. Wood. Mrs. Gill's arrangement, which took the first premium, was composed of orchids and white Himalayan rhododendrons. Mrs. Wood's piece was a very effective combination of daffodils, yellow antirrh-

nums, *Narcissus poeticus*, with *adiantum*s and yellow ribbon.

On the second day a fine collection of carnations was received from Mr. C. W. Ward of Queens, N. Y. It comprised Wm. Scott, Uncle John, The Stuart, Storm King, and a number of promising seedlings in various colors.

The closing lecture of the series at Horticultural Hall was given on March 30 by Prof. W. H. Jordan, director of the Maine State Agricultural College Experimental Station, his subject being "Commercial fertilizers as applied to horticulture."

Easter talk is now in the air, and advance price lists for cut flowers are out. They show a slight reduction in some lines from the prices of former years. A strong impression prevails that the plant trade will turn out to be more extensive than ever before, and the quantity of plants being prepared for this market is certainly larger than heretofore.

Lawrence Cotter has made a ten strike with his longiflorum lilies, which are unusually fine. This he has followed up with another ten strike by disposing of the entire crop as it stands to Welch Bros. He has also a lot of *Lilium tennifolium*, which are now to be tried on this market for the first time.

J. A. De Mar, Brighton Nurseries, has made an assignment.

Visitors in town: Frank Hamilton of Tarrytown, N. Y., and A. T. Boddington of Short Hills, N. J.

N. F. McCarthy and W. H. Elliott have gone south on a short vacation.

Wm. Edgar is preparing to build another house: 30x150.



IGNATIUS FORSTERMAN.

OBITUARY.

IGNATIUS FORSTERMAN.

On Friday evening, March 29, at his late residence in Newtown, N. Y., Mr. Ignatius Forsterman died suddenly of hemorrhage. He had not been very well for some months past. Last fall he went home to Germany for a change, which seemed to afford him great relief, but the past severe winter had been very trying, though his friends thought he was improving of late, and he certainly did look better and felt more hopeful of ultimate recovery as the weather improved. No man engaged in the florist business in the country was better known or more widely beloved by all with whom he had ever come in contact; generous to a fault, and the very soul of honor in all his dealings. As an orchidist in the strict sense of the word he was best known. The first three years he was in this country he was manager and representative of the firm of F. Sander & Co., St. Albans, England. Resigning that he started in business for himself at Newtown, L. I., New York,

where he has been growing a fine collection of market plants, but his love for orchids still clung to him, and he collected quite a large number of choice species, notably so in cattleyas and cypripediums. Of the latter he imported two years ago the coming summer a large lot from their native habitat, many of which are yet unbloomed.

Mr. Forsterman was a native of Coblenz on the Rhine, and in his early days, after a general course in some of the leading establishments of his own country, he obtained employment in France to gain further experience. From there he went to England, where he held several good positions. Finally Mr. Sander sent him to India collecting orchids. At this time *Cypripedium Spicerianum* was the rarest of all this great family; only one plant of it up to this time had ever been introduced. To our late friend was entrusted the task of finding this gem, and after surmounting almost impossible obstacles he found it; the result is well known to the orchid world. Many other choice though less known new things owe their introduction to him, notably *Pteris Victoriae*, but it was owing to his great enthusiasm, hunting for new gems of the floral world, and its consequent exposures in very trying climates, that he contracted the seeds of the disease which ultimately carried him off at the early age of 40 years. He leaves a wife to mourn his loss, and very many friends who will miss him and his magnetic nature.

The funeral services were performed in the Episcopal church, and were made more than usually interesting by the presence of a large delegation of the German singing society from Brooklyn, who gave some fine vocal music in German. To say that unusual respect was shown does not express it; the church, a good sized one, was filled full, and the floral decorations were most elaborate. Certainly, the arrangements were all of exceptionally high merit. They filled two large wagons.

For all the kindly sympathy and true friendship shown by so many during this sad period Mrs. Forsterman wishes me to express her thanks, through this medium.

JOHN N. MAY.

THOMAS BAINES, one of the best known gardeners in Great Britain, died at his home near London, March 2, aged 72 years. Mr. Baines was a prolific writer on horticultural subjects, a regular contributor to the leading English gardening papers, and author of a useful book on greenhouse and stove plants. It may be noted that Mr. Baines' father and grandfather before him served as gardeners on the estate where he learned his business, the Baines family having been employed on the same estate for some 400 years. Mr. Baines was a thorough gardener, possessing an inexhaustible fund of practical knowledge, and was greatly esteemed by all the craft in the United Kingdom.

CHARLES TRUFFAUT, the distinguished French horticulturist, died recently at Versailles, aged 72 years. M. Truffaut was especially known for his success in the culture of rhododendrons, amaryllis, China asters, azaleas and bromeliads. He was a cultivator of great ability, and was high in the councils of many horticultural societies. M. Truffaut had retired for several years from active part in the business he established at Versailles this being carried on by his son, M. A. Truffaut.

Chicago.

The residents of Evanston are arranging to convert a mile of their shore of the lake into a park. It will extend from Evanston to Highland Park.

The fernery at Lincoln Park, the framework of which was erected at the time the palm house was built, is now being glazed and will soon be ready for the plants designed for it. These will include the tree ferns secured from the World's Fair exhibit and which have been occupying cramped quarters in the palm house. Mr. J. A. Evans, maker of the Challenge ventilating apparatus, was a recent visitor and took away with him the order for the ventilating machinery for the fernery.

The wholesale market shows few changes over last week; prices have varied very little except that there is a slight downward tendency, and although stuff is not entirely cleaned out there is no real glut. Carnations do not come in quite so plentifully as last week, although there are enough for the present demand; it may be that some of the growers are holding them back. Roses are of good quality and keep at regular prices, except occasional thousand lots. Testout was seen in fine condition at Reinberg Bros.; this rose is such a success with them that it entirely supersedes La France and Albany, and the two last named will be grown for stock only, in limited quantities, next season. The weakness of the stem, which some growers complain of, does not appear with them. Similarly, Bridesmaid entirely supersedes Mermet, except where a pale rose is needed for funeral work. Meteors have been a little black lately, though there are plenty of good ones. This rose has cast Jacq entirely into the shade, and the latter has been little called for. The Beauty has exercised a similarly demoralizing effect on hybrids; some fine Neyrons were noted this week, but there was no sale for them, Beauty having the preference.

In carnations we see very good flowers; Daybreak leads among fancies, bringing \$1.50 to \$2, and there are a few Buttercups, which sell at the latter figure, but this variety is never plentiful in our market. Henry Mundt still sends in Tidal Waves of such high quality that they may justly be reckoned as fancies. Violets seem fixed at 75 cents, though some specially fine flowers from Klehm's Nurseries bring \$1. A good deal of the ordinary stock is rather small.

Bulb stuff is not overstocked. Dutch hyacinths are scarce, and have been all the season; it appears as if more are grown in pots this year, and no doubt they will be found among the Easter plants. Romans go well at \$3; ordinary valley at \$3, and extra stock at \$4. It is rather surprising to find valley from New Jersey in the Chicago market, but some very fine stock from Ernst Asmus of West Hoboken was noted at Kennicott's, which always realizes the top price. Daffodils are rather stagnant, and southern grown trumpet major of indifferent quality is a drug. Outdoor narcissus from southern Illinois is of better quality.

Callas do not appear to sell at all. Harrisii and longiflorum is steady, and it is the opinion of the wholesalers that while Easter sales will be large the prices will not be sensational. Mignonette is seen in fine quality from Day Bros. of Norwood.

The scarcity in hardy ferns still continues, and has its effect on smilax, which carce and in great demand; the price isanges from 20 to 35 cents a string, the

latter being the highest price reached for a long time. Asparagus stays at 50.

Reinberg Bros. will add considerably to their space on Wabash avenue May 1, business having far outgrown their present quarters. A. L. Randall & Co. also find it necessary to increase their room, and they will double their present premises.

Mr. Flint Kennicott has been confined to the house for several days by illness, but is now out again.

Henry Schroeder of Bowmanville died very suddenly of heart failure a few days ago. Mr. Schroeder handled stock on commission for a number of growers, selling it from the wagon. He was well known to the trade, and universally respected, being very popular personally. Mr. Schroeder was 36 years old, and leaves a widow.

Julius A. Schnapp will open a flower store April 6 at the corner of State street and Garfield Boulevard.

Bassett & Washburn are still cutting American Beauties with stems from three to four feet long. Last Monday they cut twenty-one dozen flowers of this description, all of which met with a ready sale. The extreme long stemmed Beauty is still in the swim.

Recent visitors: E. G. Hill, Richmond, Ind.; N. Dames of G. Van der Horst & Co., Heemstede, Holland; J. D. Carmody, Evansville, Ind.; Miss Taplin, Detroit, Mich.

The following despatch appeared in the Chicago dailies April 4:

LOS ANGELES, CAL., April 3.—The first carload of cut flowers ever shipped from California was sent to Chicago to-day. It is expected to reach Chicago for Easter Sunday. The car contained 35,000 calla lilies and a large number of marguerites, English ivy and many other varieties of flowers. It is regarded as a very important thing here, as the venture promises big returns.

Mr. H. A. Bunyard's illness has developed into typhoid fever and he has been removed to the Alexian Brothers Hospital, on the north side, that he might receive better care than it was possible to give him at his hotel. He is now where he will receive the best of care, and in view of his good constitution we may hope to see him convalescent in a few weeks. He greatly appreciates visits from friends and all who can do so should make it a point to look in on him occasionally and give him a cheering word. The doctors now all agree that typhoid fever is not a contagious disease, and no one need be deterred from visiting him through fear of contagion.

Philadelphia.

With the exception of one or two days the past week has been a very dull one. There has been far more flowers than there was any demand for, and a great many were wasted or sold at very low figures. In the main prices have not fallen, but job lots to fakirs have been offered at prices extremely satisfactory to them. Large teas are still \$6 to \$8, with selected stock \$10 to \$12. Smaller roses go for \$3 to \$5. Beauties, and they are in good shape just now, sell from \$4 per dozen down. Brunners \$4 per dozen for the best, and from that to \$15 per hundred. Baroness \$4 per dozen. Burton is sending in good ones. Heacock has some fine Laings, the best this season, \$3 per dozen is the price. Carnations are plentiful at from \$1.50 to \$2 per hundred, with a few extras bringing \$3 to \$4. Violets are getting quite small, and sell slowly at 50 cents per hundred. Some cold frame stock is of good size, but with short stems. Valley and Romans are in good supply at \$3 per hundred; tulips go

at \$4. Sweet peas are more in evidence, but the best still bring \$2.50 to \$3; they will not hold this price much longer, however, as a number of growers expect to commence cutting the coming week.

Lilium Harrisii and longiflorum sell for \$8 cut and \$10 on the plants. All the Easter stock of lilies about seems to be in good condition and most growers will have them in flower at about the right time. The majority of the plants seem a trifle shorter this year, and as yet the yellow tipped variety is not noticeable to any great extent. The growers expect to get \$10 per hundred flowers and buds for their Easter delivery of plants, while the retail price is expected to be 20 to 25 cents per flower and bud. A retailer was contrasting the present condition of the market with that of ten or twelve years ago, then 35 cents per flower and bud was eagerly paid wholesale, and what a time there used to be to get enough to fill orders. At one time a number of plants which had arrived in bud Easter Saturday were placed in saucers of water on a stove over night, and by morning had one flower each open, just enough to make them salable.

Gillyflowers, ten week stocks, have been quite a salable plant at Easter heretofore, but this season the market will be almost empty, as those who made a specialty of them formerly say they find them too difficult to grow of late, at least one half the crop damping off.

The dealers are all busy getting ready for the great rush, which they fully expect to come up to, if not surpass, that of last year. Convenient vacant stores are being hunted up, into which everything not needed at Easter is stored, so as to make all the room possible for plants. How best to manage the business at this time is a problem, some systems are no doubt better than others, but when the grand rush comes it seems as if the best of them get knocked out.

The John Wanamaker establishment has gone into the flower business again and has given this department a counter in the most prominent part of their store. A full line of cut flowers from the most expensive roses down is kept in stock, and sold loose, nothing being made up. In another department they have counters filled with imported roses, budded stock, which is sold at 15 cents each, \$1.25 per dozen. The low prices together with the size of the plant seem to take, and quite a good many are being sold.

Geo. C. Watson has moved his business from 1027 Arch to 47 North 10th street, where he has improved facilities for conducting his business.

A little fellow by the name of Eddy is going about among the fraternity in this city, and from the broad smile that illuminates his face he must be well received.

Chas. Fox has moved into his new store on Broad above Thompson; it is a perfect establishment in every respect, and Mr. Fox will no doubt increase his already large business.

The meeting of the Florists' Club last Tuesday evening was a very interesting event. On account of the death of Mr. Forsterman Mr. May was unable to be present and read his essay, which was read by Robert Craig. There was a large attendance although the evening was very disagreeable. There was quite an exhibition of carnations, and very fine stock it was. The Cottage Gardens sent a vase of 100 fine blooms of their new variety Storm King, and this was without doubt the finest hundred white carnations ever exhibited in this city. Messrs. Meyer & Samtman exhibited two

good whites under number, and another fine white, which looks very promising, and which has been named Annie Lonsdale. They also had a vase of Della Fox with stems 30 inches long and very straight and strong, it was much admired. Edwin Lonsdale showed some good Helen Keller, which did not suffer by comparison with anything else on the table, also a few seedlings that look promising. Mr. Chitty of Paterson, N. J., sent some fine blooms of Alaska and another variety which unfortunately did not arrive until the next morning, as also was the case with a box of the new rose Belle Siebrecht from Siebrecht & Wadley. The carnations were distributed among the members at the close of the meeting. Exhibitions of this kind, of novelties, before the florists' clubs of the country will certainly be a good thing for all the parties concerned, and nothing with merit will be overlooked. Seeing is believing, and a sight of something that a grower has in mind will no doubt many times clinch an order that otherwise might not be sent.

Messrs. R. Craig, Thos. Cartledge and J. W. Colfesh were appointed on the request of the Carnation Society as a committee to examine new varieties of carnations in this vicinity. There was some discussion as to how far this committee might go in approving or disapproving the new candidates for public favor, and John Westcott though they ought to give the devil his dues, and not be afraid to condemn if necessary. They were finally instructed to simply report things as they found them, and let the others do the rest.

"The best summer crop for forcing under glass" is to be the subject for the next meeting, John Westcott being the essayist.

Mr. May's paper on novelties and their effect on horticulture was very well received; it is a strong plea, supplemented by a good argument for novelties, and proved conclusively that without them our business would be a very narrow one. A vote of thanks was tendered to him, and the paper was given to the committee for publication.

The death of Mr. Ignatius Forsterman was feelingly referred to by Mr. Craig; he was very much thought of by all who knew him in this city, and his sudden death was a great shock to his many friends. The following resolutions offered by Mr. Craig were directed to be engrossed and sent to his family, and a copy to be published in the trade papers:

Resolved, That this club has learned with great sorrow of the sudden death of Ignatius Forsterman, who was so well known to many of its members and endeared to all by his many good qualities, by his kindness of heart, his enthusiasm in his business and his great knowledge of floriculture, which he was always so willing to impart to others. Floriculture has lost a great and good friend; one of nature's noblemen has departed. K.

New York.

The over-supply and low prices noted a week ago in the wholesale market here still exist, with no indication of relief. Most of the retailers have, reluctantly as usual, followed the wholesale rates down and by offering flowers to the public at prices reduced to a tempting figure, have managed to stir up some little activity in the transient trade. A large number of weddings are on the program to follow close after Easter, and so the prospects appear fairly bright for the retailers. The plant trade seems to be in an exceptionally healthy state, and plants monopolize

the greater part of the show windows. The dressing of the pots with variously tinted crepe tissue paper and ribbons is almost invariably indulged in, in some cases to an absurdly extravagant extent, but it appears to catch the popular fancy, and in some establishments occupies most of the time of at least one clerk.

The metropolitan dailies are giving more space to floral matters than ever. There has been a brisk rivalry between the various journals in the compiling of Easter notes, all the Sunday editions giving more or less space to this department, and it cannot fail to have a most stimulating effect on the Easter floral demand. The New York *Herald* for Sunday, March 31, was certainly a marvel in this line. It was a sixty-four page paper profusely illustrated throughout with Easter pictures in colors, among which lilies, primroses, begonias, azaleas, etc., were represented with wonderful truthfulness, and accompanied by descriptions of the popular varieties of the season, together with an extended, and in the main accurate, account of the methods of growing and distributing the enormous out-put of flowers and plants which find their market in New York City.

A formal opening of Geo. Stump's new store on 5th avenue took place April 1, 2, and 3, and the beautiful establishment was thronged with fashionable visitors who had been invited to inspect. Two large windows on the 57th street side are composed of a single plate of glass each, 17 feet long by 13 feet high, and the window fronting on 5th avenue is nearly as large. The display here was both artistic and gorgeous. The front window was filled with odontoglossums, anthuriums and Farleyense ferns variously arranged. The side windows were devoted to plants exclusively. In one of them big acacias and genistas were disposed in luxuriant masses, and the other was banked with a profusion of azaleas, rhododendrons, heaths, lilacs and violets, many of them in costly jars, and the pots all trimmed with tinted papers and ribbons. The interior of the store, which is 25x55 feet, is very richly furnished. The entire walls are in white tiles, the frieze of light greenish tint with groups of dancing Cupids. The large refrigerator is of tiles, white marble and mirrors, and ornamented with tinted vases and Cupids. Its ice capacity is about 40,000 pounds; its cost \$5,000. The floor is of wood and covered with rich rugs. The counters are marble, white with dark base, and there is a pretty office in the rear, of marble and brass work. The basement is 50x85, the portion under the side-walk being well lighted, and fitted up as a conservatory and show room for plants.

Ernst Asmus is sending in quantities of very fine lilac at present. All lilacs have sold very poorly this season, and the double even more so than the single, which is quite a disappointment, as the new sorts were imported at considerable expense, and Mr. Asmus expected that their novelty as well as their longer keeping qualities would insure for them a hearty reception. Mr. Asmus has had the best of success with his roses throughout the season, every variety under cultivation having produced well. Eel worm, which has proved such a pest in some other rose growing establishments, has troubled him but little, the only cases in evidence being an occasional plant in the center of the wider benches. The first noticeable effect of this pest is discoloration and wilted appearance of the edges of the leaves, showing that something is interfering with the nourishment of the plant.

By promptly removing and destroying the affected plants all danger of contagion to other plants is to be avoided. Mr. Asmus attributes the trouble wholly to over-watering, as in every case it has appeared in spots where the benches are densely shaded by the heavy growth, and where it is impossible for the soil to properly dry out, and to this theory Mr. Julius Roehrs also subscribes.

The display of Easter plants in Julius Roehrs's houses at Carlton Hill is a sight worth going many miles to see. There are some 20,000 lilies, all longiflorums with the exception of a few Harrisii which slipped through in unintentional mixture, house after house of azaleas, many of them of largest size, rhododendrons, hydrangeas, lilac, snowballs, tree pæonies, metrosideros and kalmias in greatest profusion. Among the varieties which may be classed as novelties are *Hydrangea macrophylla*, the purest white of all the hydrangeas; *Andromeda speciosa* and *japonica*, and the so-called three-leaved myrtle. This is the common myrtle in which the leaves grow ordinarily in pairs, but when old plants are cut back to the stumps a young growth is forced out in which the foliage is arranged in whorls of three, a form which Mr. Roehrs asserts is much in demand among the Jews in Europe, but which so far has failed of appreciation in this country.

Mr. Roehrs is one of the most successful growers of hybrid roses in pots. One secret of his success is that he does not believe in excessive forcing, the flowers being allowed to develop slowly, even if they do not get in on time for Easter. The principal varieties grown are *Magna Charter*, *Brunner* and *Baroness Rothschild*. Two plants are generally grown together in an 8-inch pot, producing a more symmetrical specimen than when one is grown singly. *Marchioness of Londonderry* has proved a disappointment as a pot plant, the color coming very dull, and *Capt. Hayward*, which is another recent introduction, is also decidedly no good for this purpose. As soon as the houses are emptied of their Easter stock, they are filled up with the young hybrid roses for next year's forcing. These stay under glass all summer until they have finished their growth and ripened their wood, after which they are stored in frames, and azaleas take their place in the houses. Mr. Roehrs has contracted with *Hitchings & Co.* to build another azalea house 50x167.

Mr. Wm. Plumb has taken charge of the new private establishment of Mr. C. Weidenfeld at Oyster Bay.

Mr. Gus Messeberg is seriously ill at his home in Flatbush.

Passed through New York on a visit to the Belle Siebrecht at New Rochelle—Mr. Benj. Durfee of Washington, D. C.

Buffalo.

My impression at this date is that plants of nearly all kinds will be rather backward. This must be accounted for by the exceptional winter. Last year Easter was 19 days earlier than this year and yet there seemed no trouble in getting in lilies, both *Harrisii* and *longiflorum*. The cold has been so steady and severe this past three months that it has deceived more than one grower in the forwardness of his crops. There will not be enough lilies to go round, but after Easter they will be very cheap. Azaleas are in about right, *spiraea* in most places will want to get a very lively gait on to show much white on Easter Sunday.

There are good batches of lilac, hydrangeas, cinerarias, hyacinths, and other flowering stuff scattered round, but I must believe none too plentiful. In cut stuff there is likely to be a large supply. I notice a good many houses of carnations, Daybreak and Scott particularly, that will be in great order by the desired time. The roses that are grown in the neighborhood are now of the finest quality. Smilax is as usual at this time very scarce. It is hardly such an essential as it was a few years ago for Easter business, yet used for so many purposes that its scarcity is felt by all of us.

A very hurried run through a few of my neighbors is where I gleaned the views about the condition of the Easter crops. Wm. Milley looks down from his altitude of 6 feet 5 inches and says "Those lilies will want all the sun they can get." Wm. Belsey looks up at his lilies and says "I have them all right for earliness, but what on earth make them grow so tall?" C. F. Christenson says "My dear boy, I do not care so much for Easter stuff, but come back here and look at two houses filled with violets and mignonette, and then we will look in the ice box." Christenson's place is looking fine all through, with a great promise of fine well grown spring stock. Mrs. D. Newland has a fine lot of lilies, spiraeas, cinerarias, and other Easter goods, and about right for time. W. Scott has a large assortment of Easter stuff, but the only thing he spoke of in any conceited way was a few potted American Beauty roses in 6 inch pots, bushy plants with 8 to 12 fine flowers and buds on each.

Mr. Wm. Legg is adding another small house to his establishment on Delevan avenue.

A new firm has started and is building on Bauck avenue. They have already one house complete, and four more are under way. The firm is Jansen & Poor.

Mr. George McClure, our popular landscape gardener, who is in great demand nowadays, is about to start a nursery on Bauck avenue, devoted to choice ornamental trees and shrubs and herbaceous stuff; lots of room for him in that line.

W. S.

Worcester, Mass.

The weather continues warm, and the question now is to hold stuff back for Easter, not much trouble to force stuff in this kind of weather, and many lots of lilies that were being pushed for all they were worth are now reposing quietly in the coolest house available. While trade remains as good as ever, and prices show no inclination of tumbling, stuff is a bit over plentiful, roses more so than other flowers, though carnations disappear as fast as they are brought in, that is a No. 1 bloom. The demand for Daybreak is far beyond the supply, and people are perfectly satisfied to pay 75 cents per dozen. Scott and Albertini have only been grown in small quantities this season, but the flowers have been retailed for \$1 a dozen.

Fred Madans has been forced out of his store, as the building is to be pulled down to make room for the new State Mutual Life Assurance building. As yet he has been unable to secure a suitable location, and will carry on his business at his greenhouses for the present.

The Market Gardeners' Association concluded their winter meetings with a banquet in Horticultural Hall, March 30.

A. H. L.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plain ads. not admitted under this head.

SITUATION WANTED—By a well experienced grower of roses, carnations, "mums"; first of May. **FLORIST**, care Henry Vollmer, Bowmanville, Ill.

SITUATION WANTED—For first class florist; 18 years' experience, used to take charge of the place; good wages expected; unmarried. **M. S.**, 739 Sheffield Ave., Chicago.

SITUATION WANTED—By florist and gardener, 20 years' experience in private and commercial places; married, small family. Address **W. J. CLINTON**, Downer's Grove, Ill.

SITUATION WANTED—As all-round florist, growing roses, carnations and general greenhouse plants, also palms, ferns, orchids; single, 19 years' experience. Address **C. N.**, care Am. Florist.

SITUATION WANTED—By a first-class rose grower and general plantsman as foreman; 19 years' experience, married, sober and reliable; good reference. Address **J. H.**, care American Florist, Chicago.

SITUATION WANTED—By a German, 23 years old; 9 years' experience; quick designer; able to take charge of place; best of references; state particulars and wages. Address **J. J. HALLGREN**, 606 N. Center St., Bloomington, Ill.

SITUATION WANTED—By a florist, 23 years of age, 8 years' practical experience in the cut flower, plant and shipping trade; good penman; quick, practical and sober man. Address with full particulars **THE GROWER**, care American Florist.

SITUATION WANTED—As foreman in commercial or private place by German, married, 15 years' good practical experience in cut flowers, pot plants, landscape work and all other parts of the trade; best of references; state wages. Address **"A. V."**, care American Florist.

SITUATION WANTED—By sober, industrious married man; first-class propagator, and rose, carnation, "mum," violet, all-round cut flower grower and plantsman, as works foreman, or charge of private or commercial place. Address **CHIP**, care American Florist.

SITUATION WANTED—Any firm wishing to engage a first-class working foreman and manager will do well to correspond with me; 25 years' experience in catalogue, cut flower and plant trade; reference exchanged. Address **MANAGER**, care 67 Bromfield St., Boston.

SITUATION WANTED—By young man 23 years of age as assistant bookkeeper in a florist's establishment; a graduate of one of the best commercial schools in the country; have had experience in the florist business, and would be willing to assist in greenhouses or store; can furnish best of references. Address **C. W. D.** 46 Exchange St., Rochester, N. Y.

WANTED—Florists' wholesale catalogue. **Mrs. C. D. BALL, JR.**, Portsmouth, Va.

WANTED—Experienced German lady for florist store. **Q. U.**, care American Florist.

WANTED—A quick, reliable young man for the mail plant business in the west. **R. K.**, care American Florist.

WANTED—A few hundred dormant roots of Canna Star of W. Address **WESTERN**, care American Florist.

WANTED—400 cuttings of Achyranthus of some dark variety; rooted cuttings preferred. Address **H. W. CLARK**, West Manchester, Mass.

WANTED—Partner with \$500 in florist business in a good town in Kansas. Address **H. W.**, care Vaughan's Seed Store, Chicago.

WANTED—A single man that has some experience in growing "mums"; states wages with board. Address **COLE BROS.**, Peoria, Ill.

WANTED—Experienced foreman for growing out flowers and plants; must be single, sober and steady. **GARFIELD PARK ROSE CO.**, 1688 W. Madison St., Chicago.

WANTED—Young man about 17 or 18 years of age with a couple years' experience in a commercial; must be sober and industrious. Address **R. S. RASMUSSEN**, Waterbury, Conn.

WANTED—To lease, in some good town or city, 2 or 3 greenhouses, with dwelling house on place, with option of buying; terms must be very reasonable. Address **REUTER**, care American Florist.

WANTED—A young man 16 to 18, as assistant in rose growing near New York; need not have experience if ambitious to learn; must be sober and industrious. Address **L.**, 28 W. 15th St., New York.

WANTED—A middle aged man, experienced and good on designs and other floral work; only honest and sober worker wanted; fair wages; must be competent to do planting of beds. Address **A. SENFF**, Menominee, Mich.

WANTED—A man with means enough to build the rooms, and will furnish the grounds and take 1/2 interest in greenhouse; no better location anywhere; none in twenty miles in any direction; a town of 2,000 inhabitants; there are several hundred dollars' worth shipped in every season. Address **S. W. COX**, Bement, Platt Co., Ill.

FOR SALE—Flower store, old established refined neighborhood; will pay to investigate. Address **H. B.**, care American Florist.

FOR SALE—Entire fixtures for flower store, wall case, 2 counters, large ice-box, 10-ft. show case and counter. **500 Fullerton Ave.**

FOR SALE—35 boxes photographer's glass, no blitters or curves, size 5x8, for \$1.01 a box by the lot, if taken at once. Address **ISAAC A. POOL**, 35 Washington St., Chicago.

FOR SALE—Four greenhouses, six thousand feet of glass, one block and six roomed cottage, well stocked in good lively town; will sell cheap on account of health. **J. J. SCHUMACHER**, Sloux Falls, So. Dak.

FOR SALE—On time or rent; 4 greenhouses, boiler, natural gas, large lot 120x150 feet; nice 5-room house almost in center of Indianapolis. A splendid chance for the right man. Address **JOSEPH BECKER**, 401 North Delaware St., Indianapolis, Ind.

FOR SALE OR LEASE.

Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address **WM. SPRINGBORN**, Dubuque, Ia.

FOR SALE
P. Gormley offers his florist and nursery business for sale, or would let for a term, consisting of about 8,000 feet of glass and about 2 acres of land, 500 ft. fronted street, electric cars pass every 15 minutes; a chance of a lifetime; established 25 years; all in thorough condition; there is a fortune in the place; good reasons for selling. Address **P. GORMLEY**, 20 Male St., Worcester, Mass.

FOR RENT OR SALE.
Nine greenhouses, 20,000 feet of glass, steam and hot water heat; large dwelling, good stable, 5 acres or more of land; full stock of young plants; good will of well established business; present owner leaves on account of ill health. The above located at Attica, Wyoming Co., New York. For further particulars address owner, **F. C. STEVENS**, 1415 G St., Washington, D. C.

FOR SALE.

Four greenhouses 15x35, one propagating house 8x35, all heated by Hitchings, and filled with Roses, Carnations, Violets, etc.; a large supply of bedding and vegetable plants for spring trade, 50,000 ft. fronted Carnations, roses, etc. One cold house 8x15, large Violet pit, over 100 snshes, several frames, pots, firm and garden tools, 2 fine horses, several wagons, 1 cow, large house, barn, sheds, chicken house, etc. 15 acres good ground, well stocked with fruit; living stream supplies houses by means of hot air pump; 20 miles from New York and 5 minutes' walk from depot, school, churches, stores and postoffice. Greenhouses all new; cause of selling having another place. Address **J. W.**, care Am. Florist.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

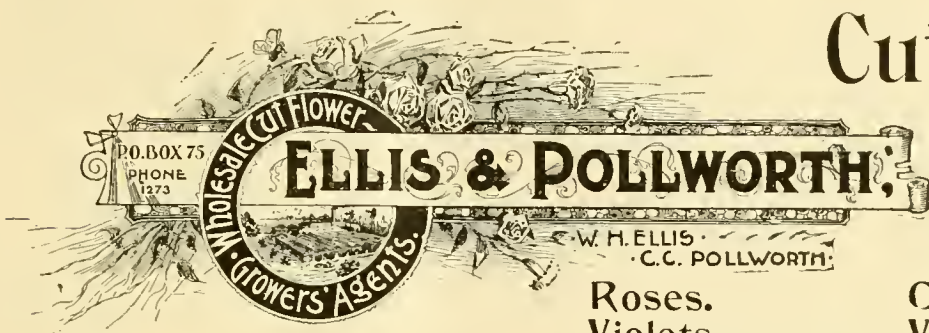
Now ready at one day's notice. Try this set, you'll not regret. When you see the beauties blooming. And don't forget the best thing yet. They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents, from 2 1/2-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Flame, the magnificent new pink, Georganna, with the finest scarlets, purple, striped and intermediate shades. Double Petunias (Dreer's), 2 in., \$2.50; 3-in., \$4; 4-in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$5.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vincas (Perrywickie) from flats, \$2; 2 1/2-in., \$3; 3-in., very fine, \$5 per hundred. Begonia Veroce, semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2 1/2 in., \$2.50; 3-in., \$3.50 per hundred. New yellow daisy, Antheis Tinctoria (single), 2 1/2-in., \$3 per hundred. Athenis Coreopsis (Golden Marguerite) the genuine dwarf large-flowered, double, from flats, \$2.50; 2 1/2-in., \$3.50 per hundred. Nasturtiums, selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark, 2 1/2-in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2 1/2-in., 60 cents per dozen. Coreopsis Lancelata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2 1/2 and 3-in., \$4 per hundred. Calendula P. of Orange, Scabiosa Snowball, sweet Alyssum, tall, double and dwarf single, Mignonette, Toroni and foot plant. Tradesman's plant, Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eutalia, two kinds, 4-in. size, \$3; 6-in., \$5 per hundred dormant roots; Eutalia plant sticks, the neatest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 pot free for 35 cents. All cuttings, \$3 per hundred, selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding annas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. Address cash with order please **J. C. GIBSON, WOODBURY, N. J.**

We Pay the Express. PANSIES AND VERBENAS.

BUGNOT'S superb bloated..... 70c. per 100.
CASSIER'S superb plant..... \$1.50 per 1000
OBER'S superb plant..... \$1.50 per 1000
TRIMARDEAU superb plant..... \$20.00 per 5000
GOLDEN BRONZE superb plant.....
MAMMOTH VERBENAS in best colors, 70c. per 10
\$5.50 per 1000.

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Cut Flowers FOR EASTER.

Roses.
Violets.

Carnations.
Valley.

HARRISII, CALLAS, HYACINTHS, TULIPS, ALYSSUM, GALAX LEAVES, SMILAX, ASPARAGUS, ADIANTUM, ETC., ETC.

We will have a large supply of VALLEY, VIOLETS, TULIPS. Early orders solicited.

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Two Good Things.

See the Point? Scarce this Year.

BOSTON STOCK.

The favorite variety among the Boston growers; pure white, large spikes; comes large percentage double. TRUE STOCK, saved by an expert Boston grower. Trade pkt. 50c.; oz. \$4.00.

BOSTON ASTER.

Pure white, early and free. My seed of this is also saved by an expert in the vicinity of Boston. Trade pkt. 25c.; oz. \$3.00.

G. C. WATSON,

Wholesale Seedsman,

1025 Arch St., PHILADELPHIA.

When writing mention the American Florist.

PALM SEEDS

Direct Import, fresh quality, just arrived.

	Per 100	Per 1000
Areca lutescens.....	\$1.00	\$ 7.00
" rubra	1.00	7.00
Cocos Weddelliana	1.50	12.00
Ceonoma gracilis	3.00	25.00

We further expect in the course of next month 150 lbs. Latunia borbonica, 50 lbs. Chamaerops in different varieties.

CHAS. SCHWAKE,

404 E. 34th Street, NEW YORK.

ROOTED CUTTINGS.

Carnations - McGowan, Portia, Freeman, Curt-idge, Aurora	per 100 \$ 1.00, per 1000 \$ 10.00
Albertini, Sweetbrier, Pixley	1.50
Daybreak	per 100 \$20.00, " 2.50
Chrysanthemums - Willidin, Brown, Ivory, Nivens	1.00
Queen	2.00
Ampelopsis Veitchii, 3 to 4 feet ..	4.00
Violets - Schoenbrun, Czar and Marie Louise, perfectly healthy clumps ..	4.10
Rooted Runners, \$5.00 per 100.	

JOHN J. CONNELLY, Bryn Mawr, Pa.

PLANTS IN BLOOM

will sell well for Easter and early Spring trade.

CINERARIA, in bloom, 5-inch.....	\$10.00 per 100
CALCEOLARIAS in bloom, 4-inch.....	10.00 "
BEGONIAS in bloom, 3 and 4-inch.....	\$10 & 20.00 "
CALLA LILIES in bloom, 5 & 6-inch.....	\$15 & 20.00 "
EASTER LILIES, 5 and 6-inch.....	\$15 & 20.00 "
DUTCH HYACINTHS, choice.....	10.00 "
GERANIUMS, 3, 4 and 5-inch.....	\$3 to 10.00 "
PRIMULA OBCONICA, 4-inch, fine.....	12.00 "

Order at once and have them in.

WILLIAMS & SONS CO., Batavia, Ill.



One of a Thousand

This flower looks attractive—multiply it by 1000 and you will have a good idea of a bush of

ANDORRA'S

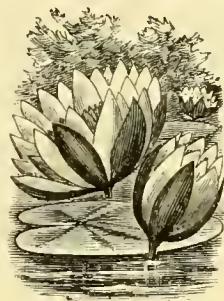
LATEST INTRODUCTION

Hypericum Moseerianum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. **Fine, Strong Plants, \$7.50 per Hundred.**

Hardy Trees, Shrubs, Plants, Roses, and Fruit. (Rhododendrons a Specialty.)

Andorra Nurseries, Wm. Warner Harper, Mgr. Chestnut Hill, Philadelphia, Pa.



AQUATIC NOVELTIES.

Victorias, Nelumbiums, Nymphaeas.

Hardy Ornamental Grasses, Arundo, Bamboo and Hardy Perennials for the water garden.

Our collection is unsurpassed; embracing hardy and tropical species from all parts of the world, and many hybrids of special merit. **Catalogue free.**

WM. TRICKER & GO., Clifton, N. J.

A New Canna! "THE PROFESSOR."

We take pleasure in offering this Canna to the Trade, and feel sure that it will please all who purchase it. It originated with me, has been tested on my grounds for the past three years, and has been very highly spoken of by all who have seen it.

The foliage is a very dark purple, nearly black, and colors up well in the full sun. The flowers are of fair size and substance, and of a deep crimson color; they are by far the best we have seen in the dark foliage section of this popular plant.

Its habit of growth is dwarf, and its average height is about 3½ to 4 feet.

We consider this Canna a valuable acquisition and hereby offer it for the first time.

Price for started plants from pots (ready after March 15, 1895), 75c. each; \$7.00 per doz.

N. B.—All orders will be filled strictly in rotation.

SEAWANHAKA GREENHOUSES,

P. O. Box 34, Oyster Bay, Queens Co., N. Y.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Trees and Shrubs. Parsons & Sons Co.

Kissena Nurseries, Flushing, N. Y. Ltd.

Double Fringed Petunias

10 named, Dreer's choicest varieties, fine plants, 2½ inch pots, ready to shift into 3 and 4-inch, \$3.00 per 100.

Order at once. Cash.

MARKEY BROS., Fort Wayne, Ind.

Profitable Crops for Odd Corners.

READY NOW.

12 bushels Egyptian, Perennial or Tree Onion Sets at \$1.25 per bushel.

20 bushels Yellow Onion Sets at \$2.00 per bushel.

3000 Lucretia Dew berry plants from successful bearing stock, at \$0.10 per 1000.

CARNATIONS - Lizzie McGowan, Daybreak, Portia and Aurora, at \$1.50 per 100.

Please send cash for what is wanted.

MAYER & SONS, Willow Street, Lancaster Co., Pa.

Always mention the American Florist when writing to advertisers.

Toronto.

The much talked of interview between the city and provincial gardeners and florists and the Toronto government took place on Wednesday last, but I am sorry to report that the Ontario men did not come away with the hope of receiving much benefit as a result, at least this year, although there is still just a chance that some "remedial legislation" may be given. The Toronto G. and F. Association will hold a special meeting on Monday to draw up a plan in writing of its proposed scheme with regard to horticultural societies in cities, the same to be presented to the government at the earliest moment possible. The provincial men, represented by Messrs. Burden and Trebilcock, president and secretary of the Bowmanville Horticultural Society, and Messrs. Wells, Lane and Colwell of the Galt Horticultural Society came away much better satisfied than their city brethren, having gained one of the chief points they were contending for, viz: receiving the grants allowed to horticultural societies direct from the government instead of through the agricultural societies. The increase of the grant asked for may come in time too if they are good boys, and send a government supporter to parliament every election.

On the evening of the same day took place the long looked for oyster supper, of which about forty members of the association and the provincial delegates afore-mentioned partook. After the supper came speeches interspersed with song, followed by a wonderful and entirely unexpected exhibition of mesmerism by Mr. Charles Arnold, the Queen street florist, which simply brought the house down. After this the party broke up into parties, some indulging in bowls, some in billiards, some in lager beer, and some going home. Your correspondent walked home after having spent a most enjoyable evening. The supper took place in the Liederkranz club building.

I should call the state of trade during the last week, moderately dull. The weather has not been so bad, but one can scarcely call it "joli printemps" yet. E.

CUTTINGS by Mail prepaid.

POT PLANTS by Express not prepaid.

Alternanthera p. major and aurea nana;
Ageratum White Cap and dwarf blue,
cuttings, 50c; 2-in. pots \$1.50 per 100.

Chrysanthemum cuttings, \$1.00 per 100.

Coleus, best bedders, cuttings, 60c. per 100.

Fuchsias, good mixed, " \$1.00 per 100.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

Rooted Cuttings

COLPUS, 24 distinct fancy colored, best old and new,
strong rooted, 6c. per 100; \$1.00 per 1000. Write for
special low cash bargains. Reds and yellows, 7c.
per 100; \$6.00 per 1000.

VERBENAS, mammoth, in mixed bright colors, vigor-
ous, 7c. per 100; \$6.00 per 1000.

SEEDLINGS, transplanted fine stock, Mammoth Ver-
bena, Snow White Scabiosa, Semple's new Asters,
Perfection white Aster, Marguerite Carnation,
mixed colors 7c. per 100.

PLANTS, Heliotrope, Scarlet Sage, the splendid Gal-
lardia Templetonia, in bud 30c. per dozen.
Please remit cash with order.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

Marie Louise Violets.

NO DISEASE. STRONG PLANTS.

\$1.00 per 100; \$6.00 per 1000.

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**ROSES.
ROSES.**

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—Wm. Falconer.

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

GALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

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CATALOGUES AND PRICE LIST FREE.

Mention American Florist.

YOUNG ROSE PLANTS

We offer the following very choice Plants out of 2 1-2 in. Pots.

	PER 100.		PER 100.
AMERICAN BEAUTIES,	\$5 00	BRIDES,	\$3 00
METEORS, Best Red Rose,	3 00	MERMETS,	3 00
MME. C. TESTOUT,	6 00	BRIDESMAIDS,	3 50
KAISERIN A. VICTORIA,	6 00	PERLES,	3 00
LA FRANCE,	3 00	WOOTONS,	3 00
D. OF ALBANY,	3 00		

CARNATIONS,		PER 1000	
Strong Rooted Cuttings.	{ DAYBREAK	\$10.00	
	{ WM. SCOTT	23.00	
	{ TIDAL WAVE	10.00	
	{ SILVER SPRAY	10.00	

The above stock is very strong and healthy, and propagated from selected wood. We send out the same stock that we grow for ourselves, and it will give better satisfaction than stock which has been grown simply to sell.

REINBERG BROS.,

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Tuberous Begonias

GRIFFIN'S STRAIN.

MEDAL AWARDED WORLD'S FAIR.

Let us figure on your needs in Tuberous Begonias (doubles especially), we can do so better than any firm in this country.

The bulbs are the finest we have ever grown.

OASIS NURSERY CO.,

THOS. GRIFFIN, Manager.

Westbury Station, Long Island, N. Y.

2000 JACK ROSE PLANTS

on their own roots, well branched, 2 1/2 to 3 feet high, \$10 per 100. 3 to 4 feet high, \$15 per 100 Sample of 8 for \$1.00.

JORDAN FLORAL CO.,

706 Olive Street, ST. LOUIS, MO.

ROSE CUTTINGS.

	Per 1000
Well Rooted of	
METEOR, 2 and 3 eyes, at	\$15.00
Mermets, Brides, Perles, etc., at	15.00
2 1/2-inch Teas, at	25.00
Bridesmaids, at	30.00

We are specialists for Violet blooms, cuttings and clumps—Marie Louise and Lady Campbell.

ANCHORAGE ROSE CO.,

ANCHORAGE, KY.

The Rose for the Million!!

BELLE SIEBRECHT.

This rose is the result of years of patient work by one of the best rosarians in the world. It is not sent out to be "tried." We have subjected it to the most severe tests, and are now fully satisfied that it is *the best Florists' Rose in existence.* It is not a mere sport, but is of a distinctly new strain, the result of a cross between La France and Lady Mary Fitzwilliam.

ALWAYS IN BLOOM. AN IRON CONSTITUTION. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. *Color and keeping qualities unequalled.* The greatest introduction of the century.

We have received numerous testimonials from eminent rose growers who have inspected the rose and pronounced it to be everything we claim for it. It is having an enormous advance sale in every section of the country. The young stock from which we shall fill orders is in perfect condition. Delivery will begin April 15th, and orders will be filled strictly in rotation,

Strong Plants, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

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The new hardy double white ANEMONE. Strong, field-grown roots, \$8.00 per 100.

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GEO. S. CONOVER, the best EARLY BLOOMING, large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

VERBENAS.—Rooted Cuttings, all colors, \$1.00 per 100; \$8.00 per 1000.

FRENCH CANNAS.—Large stock of the leading varieties.

WRITE FOR OUR CATALOGUE.

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FOR SALE.

PINK AND WHITE ERICAS (Scotch Heather), in bloom now, fine plants.

\$1.00 each; \$10.00 per dozen.

Also 600 for Easter. Also all kinds of Easter plants in prime condition.

ANTON SCHULTHEIS,
P. O. box 78, COLLEGE POINT, L. I., N. Y.

JOHN N. MAY,

WHOLESALE GROWER OF

Roses, Carnations, Chrysanthemums and Cannas.

All of which are now ready.

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Wholesale Florists

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HEADQUARTERS FOR THE WONDERFUL NEW ROSE

CRIMSON RAMBLER.

The Largest and Finest Stock in America.

Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots, \$15.00 per 100. Ready for immediate shipments.

ELLWANGER & BARRY,

Mt. Hope Nurseries, ROCHESTER, N. Y.

ROSES

From 2½-in. pots, now ready to ship, in splendid condition.

BRIDES, and BRIDESMAID, \$3.00 per 100.

BASSETT & WASHBURN, HINSDALE, ILL.

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Rooted Cuttings. Cash with

ROSES

BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. order. Address for quotations.

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.



Trees, Shrubs,
Vines, Dahlias, Asparagus, &c.
A full line of

NURSERY STOCK.

Our new trade list for 1895 now ready. send for one.

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Morrisville, Pa.

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GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate; Inch, \$1.40; Column, \$14.00. Cash with Order.

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Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. No reduction made for large space.

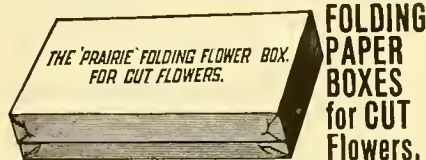
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Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

WE HAVE RECEIVED bloom of the hybrid cypripedium raised by Mr. W. H. Chadwick of Chicago, which was described in the FLORIST, page 696, February 16, 1893. It is villosum x Spicerianum, just the reverse of the cross which produced Lathanium, and is a distinct and handsome flower.



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Made from Water-proofed, Double Macilla lined, Strawboard. Shipped flat, packed 100 in a crate.

CHICAGO FOLDING BOX CO.,

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ALL STOCK IN FINEST GRADES.
113 W. 30th St., NEW YORK.
Telephone Call 1307 38th St.

JULIUS LANG,
(Formerly with THEO. ROEHRS.)
Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.

The Boston Flower Market
is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.
Address **JOHN WALSH, MANAGER,**
Flower Market, Park St. BOSTON, MASS.
Long Distance Telephone "Haymarket 638."

WISCONSIN FLOWER EXCHANGE,
WHOLESALE
CUT FLOWERS,
AND GROWERS STOCK.
Orchids a Specialty.
Consignments of Cut Flowers solicited.
468 Milwaukee St., MILWAUKEE, WIS.

SAMUEL S. PENNOCK,
Wholesale Florist
REAR OF 42 S. 16th STREET,
Philadelphia, Pa.

Cycas Leaves. FRESH CUT each 75c.
VAUGHAN'S SEED STORE, P. O. Box 688, Chicago.

Cut Flowers.

Finest quality stock of everything in season. Our HYBRIDS and JACQS are extra fine, and our CARNATIONS are unsurpassed. Order a trial lot and be convinced. Easter is close at hand, send in your order early.

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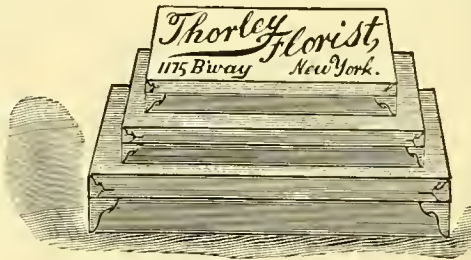
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We offer the finest **HARRISII**, \$15.00 per 100.
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Choice assortment of all other stock at market prices.

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The boxes as they appear when set up for use.

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Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

For Easter Decorations, NOTHING CAN EQUAL
ASPARAGUS PLUMOSUS NANUS.
CUT STRINGS, 8 TO 12 FEET LONG, 50 CENTS.
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" Mermets, Cuts, Watteville.....	1.00@4.00
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" La France.....	1.00@4.00
" Testout.....	4.00@4.00
" Meteor.....	1.00@3.00
" Beauty.....	10.00@20.00
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Smilax.....	15.00@25.00
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Lilac per bunch.....	.50

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" Mermets, Brides.....	4.00@6.00
" Niphetos, Perle.....	2.00@4.00
" Bon Silene, Gontier.....	2.00@3.00
" Bridesmaid, Testout.....	4.00@10.00
" Meteor.....	2.00@5.00
" Beauty.....	6.00@25.00
" Hybrids.....	2.00@8.00
" Brunners extra.....	50.00
Carnations.....	1.50@2.50
" fancy.....	2.00@4.00
Valley.....	2.00@4.00
Tulps.....	2.00@4.00
Hyacinths, Freesia.....	1.00@2.00
Narcissus.....	2.00@3.00
Harrisl, callas.....	5.00@8.00
Violets.....	.25@.50
Smilax.....	20.00
Asparagus.....	50.00
Dutch hyacinths.....	3.00@4.00
Pansies.....	.30@.50
Mignonette.....	2.00@4.00
Myosotis.....	.50
Astilbe.....	3.00

PHILADELPHIA, Apr. 2.

Roses, small.....	3.00@5.00
" large teas.....	6.00@8.00
" extra select.....	10.00@12.00
" Beauties.....	20.00@35.00
" Brunners.....	35.00@50.00
Lalng.....	25.00
Carnations.....	1.50@2.00
" extra.....	3.00@4.00
Asparagus.....	35.00@50.00
Violets, double.....	50.00
" single, per 100 bunches.....	\$2.50@\$4.00
Valley.....	3.00
Daffodils.....	3.00
Harrisl.....	8.00
Cattleyas.....	25.00@35.00
Sweet peas.....	2.00@3.00
Mignonette.....	1.00@3.00
Smilax.....	15.00@18.00
Tulps.....	4.00

CHICAGO, Apr. 4.

Roses, Beauties, selected.....	20.00@35.00
" " seconds.....	8.00@20.00
" Hybrids.....	10.00@25.00
" Testout, Brides, Bridesmaid.....	3.00@5.00
" La France, Wootton, Mermets.....	3.00@4.00
" Perle, Niphetos, Gontier.....	2.00@3.00
" Meteor.....	3.00@5.00
Carnations, common.....	1.00@1.50
" fancy.....	2.00
Valley.....	3.00@4.00
Paper White, Romans, Freesia.....	3.00@4.00
Tulps.....	3.00@4.00
Daffodils.....	3.00@4.00
Dutch hyacinths.....	4.00@8.00
Harrisl, Callas.....	5.00@8.00
Violets.....	.50@.75
Smilax.....	18.00@35.00

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 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART.
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 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

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JOBBERS IN FLORISTS' SUPPLIES,
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 METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND.
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THE LEADING FAVORITES:
American Beauty,
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Testout,
 And all other desirable roses, grown especially for first-class trade.

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FLORIST,
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Roses Shipped to all points. Price list on application

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Careful Shipping to all parts of the country
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 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

FRENCH HOUSES report some celeries and turnip damaged in winter storage, exceeding 50 per cent.

THE MAIL SEED TRADE has generally been excellent for the past 10 days, while occasional warm days of late has improved counter trade.

CHICAGO.—Mr. Chas. P. Braslan is confined to his home by a severe cold on his lungs, but is improving.

LYONS, N. Y.—Jas. P. Boyle has been appointed superintendent of the local cemetery.

MR. WM. WINCOTT, of Effingham Park, Babylon, L. I., sends us a box of blooms of M. Louise and Swanley white violets of excellent quality.

PORTLAND, MAINE.—Wm. E. Morton, the well known florist of Portland and Bar Harbor, died on Friday, March 29, after a lingering illness. Mr. Morton was a member of the Society of American Florists. The business will probably be continued by his wife.

TRENTON, N. J.—W. T. Hilbour has moved to his new stand in the extension of the Windsor Hotel on East State street. Mr. Wm. Moore is his presiding genius, and he has by all odds the finest window in the city. The glass is low down to the sidewalk and the entrance; the display is thus brought well under the eye.



Gardiner's Celebrated English Mushroom Spawn.
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co., Philadelphia, Pa.
Mention American Florist.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
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FINEST OF BULBS
AT LOW RATES.
Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.
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LILIUM HARRISII.
Original and largest growers of this important bulb.
OUR SPECIALTY!
True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
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BULB GROWER,
OVERVEEN, HAARLEM, HOLLAND,
Agents for U. S. and Canada:
C. B. RICHARD & CO.,
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Trade Catalogue on application.

SUMMER * BULBS.

DOUBLE TUBEROSES.



EXCELSIOR DWARF PEARL. Strictly first quality, large sized bulbs, well ripened and solid. Four inches and up in circumference.

Per doz. 20c; per 100 \$1.25; per 1000 \$8.50.

Medium size, \$1.00 per 100; \$5.00 per 1000.

Special price on lots of 2,500 or up, on application.

GLADIOLI, in variety, \$7.50 and up per thousand.

CALADIUMS, \$3.00 to \$4.50 per hundred.

ILLUSTRATED LIST ON APPLICATION.

DAN'L B. LONG,
Wholesale Florist,

BUFFALO, N. Y.



N. DAMES,
OF THE FIRM

G. van der Horst & Co.,
BULB GROWERS,
Heemstede, - Holland,

is on his round trip in America. Up to May 1st all letters and communications directed to **G. van der Horst & Co.,** care of Knauth, Nachod & Kuhne, 13 South William Street, New York, will have prompt and careful attention. Our prices are reasonable. OUR MOTTO—Excellent stuff makes cheap prices. Up to now we have not one claim—everyone who deals with us is satisfied.

THE BROWN BAG-FILLING MACHINE CO.,
MANUFACTURERS OF
AUTOMATIC MACHINES FOR PUTTING UP SEEDS,
FITCHBURG, MASS.



New Catalogue (No. 4) containing over 1,000 Ornamental Cuts for Florist's use, such as envelopes, letter heads, bill-heads, cards, advers., floral designs, etc., at from 30c. and upwards. Price of Catalogue 25 cts. (deducted from \$1 order).

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Engraver for Florists,
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ROSES Strong, healthy plants from 2 1/4 and 3 inch pots, \$3.00 to \$8.00 per 100. Am. Beauty, Bride, Mermet, Niphetos, Perle, Sunset, Wootton, Meteor, Albauy, La France, Testout, Victoria, M. Niel, Bridesmaid, Watteville, The Queen, Mme. P. Guillot, S. d'uu Ami, &c.

VERBENAS Good assortment clean, healthy plants from 2 inch pots, \$2.50 per 100, \$20.00 per 1000.

VIOLETS Marie Louise and Swauley White, strong plants from 2-inch pots, \$2.50 per 100, \$20.00 per 1000; no disease.

GARNATIONS Leading kinds from 2-inch pots, \$2.50 to \$5 per 100.

PELARGONIUMS Victor, Fred Dornier, plants from 2 and 3-inch pots, 75c. and \$1 per doz. TERMS CASH.

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HYACINTHS, all the best varieties for forcing. Small, pure white and other colors to succeed the Romans.

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NARCISSUS, Horsfieldii, Sir Watkin, Trumpet major, Albus plenus odoratus, and other sorts.

SPIRAEA compacta grandiflora, and Spiraea astilboides.

GLADIOLUS The Bride, for forcing, in any quantity, at a fair price.

White Spanish Iris, like orchids.

Lilies and other bulbs and bulbous roots for forcing and cut flowers.

Send list of what you need before ordering elsewhere.

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Price List for florists free on application.

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Tuberose & Caladium Growers
MAGNOLIA, N. C.

Jobbers only please correspond with us in regard to contracts. Prices right.

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DREER'S DOUBLE FRINGED PETUNIAS.

We can still furnish a fine lot of our superb Double Petunias, strong 3 inch pot plants, in 15 distinct fringed varieties, at \$1.00 per dozen; \$8.00 per 100; the set or 15 for \$1.25.

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DREER'S LARGE FLOWERING AND FRINGED MIXED.

Great care has been taken in selecting this large flowering strain of beautiful, mottled, striped and fringed Petunias. Trade pkt. 50 cts.; 1/8 oz. \$2.50; 1/4 oz. \$4.50.

PETUNIA, DOUBLE.

DREER'S LARGE FLOWERING AND FRINGED.

Carefully hybridized and saved from our own unrivalled collection, well known to be the finest in the country. Per 500 seeds, 75 cts.; 1000 seeds, \$1.50.

Trade pkt. Per doz.

Petunia, Dwarf Inimitable. Star Petunia, cherry red, with white center,	50	2 00
" Pure White, Single.....	15	50
" Striped and Blotched, Mixed.....	25	1 00
" Fine Mixed.....	15	50

HENRY A. DREER,
714 Chestnut St. Philadelphia.

BURPEE'S SEEDS ARE THE BEST

For Florists and Market Gardeners.

WARRANTED;—“Few Equal—None Better.”

Special Wholesale Price List mailed Free on application, together with “A BRIGHT BOOK ABOUT SEEDS,” novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.

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ESTABLISHED 1830.

R. VAN DER SCHOOT & SON,
HILLEGOM, - HOLLAND,
Largest Growers of

HYACINTHS, TULIPS, NARCISSUS,
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HEADQUARTERS FOR HIGH GRADE FORCING BULBS.

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Special Growing of FRENCH BULBS

ROMAN HYACINTHS—White, Rose, Blue.
NARCISSUS—Van Slon, early; Paper White; Grandiflora totus albus.
LILIUM CANDIDUM.

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ALLIUM NEAPOLITANUM.
TRUMPET MAJOR, real.
And many others good for forcing.
Send for catalogue.

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WHOLESALE FLORISTS,
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EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, SEED GROWER,
QUEDLINBURG, GERMANY.

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WE SELL SEEDS
Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
Seed Merchants and Growers,
114 Chambers Street, NEW YORK.

TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.
Vaughan's Seed Store, Box 688, Chicago.

Rochester, N. Y.

The announcement of the death of Mr. W. S. Kimball of this city, was a shock to all his friends and acquaintances. He was at Virginia Beach, Va., at the time of his death, and was in his 58th year.

Mr. Kimball was one of the best known residents of Rochester and one of our foremost public spirited men, and a prominent member of several organizations doing business here. His collection of orchids, especially his cypripediums, is one of the most extensive and costly ones in the United States, and his death will be lamented by all who knew him.

He leaves a wife and three children—two sons and a daughter.

Trade in general the same as reported last week. Prices keep up wonderfully. The demand was rather larger than the supply this week, especially so in carnations. A good supply of first-class Beauties has to be noted and several lots of splendid Whitneys made their appearance in the market. There was an immense lot of violets used at the funeral of Mr. Kimball. Perles are rather plentiful, smilax very scarce, asparagus is used instead. Violets will be in for Easter in very large quantities, the frames have begun to bloom and any quantity may be picked in this neighborhood. Also good long stemmed English double violets grown in frames are in market now.

The finest specimen of Dendrobium Wardianum I ever had occasion to see and worthy of special mention, was a plant in full bloom used in the church decoration on Friday last at the funeral services of the late Mr. W. S. Kimball. The plant had a spread of nearly four feet across without any tying apart or sticks of any kind. The stout canes were flowered to the very base of the pot which is an 8-inch. These canes all measured over three feet in length and were arching over in a natural graceful way; the effect was magnificent. The flowers on this splendid specimen are larger and broader than we usually see them, it being an extra good variety, probably the so-called giganteum. The plant belongs to Mr. Kimball's collection and Mr. George Savage certainly deserves high credit for "doing" them so finely. J. B. K.

HOYT'S SYSTEM OF HOT WATER CIRCULATION.

An open or pressure system (at will of operator) in which no stand-pipe or elevated tanks required. Uses in 100 ft houses or less one 1 1/2-in. pipe overhead or under-bench and four 1-inch pipes under benches (coming back), connecting at end into one pipe, 1 1/2-in. or 1-in. A globe valve on this pipe (return) controls this line from the full heat (100 per cent) to five per cent or closes it. Two similar lines are used in a 10 or 12-foot, four in a 20-ft. and 7 in a 30-ft. house. The reduction of heat in each or all lines can be done gradually as sun raises the house, and can be turned on gradually as sun leaves the house. Cost of piping, fittings, valves unions, etc., about \$45 per 1,000 square feet of glass. Cost of heater about \$100 up to 5,000 feet, and probably 10,000 feet of glass. Improved horizontal steel tubular boilers furnished from 21-in. shell, 6 feet long, up to 24-in., eighteen feet long. These are especially constructed for Hoyt's System, and will discount any heater either in price, power or economy in fuel. Hoyt's System is admirably adapted to residence or building heating on a large or small scale, and can be put in cheaper than steam. Catalogues out about April 15th. No patent on heater or tubular boilers, and no cast iron constructed heater.

A. T. HOYT, Warren, Ohio.
 Meentloo American Florist.

- Per 100
- Hydrangea Thos. Hogg, 2 1/2-in. pots.....\$4.00
- Pansies, from cold frame, transplanted.....63
- Roses, monthlies, 2 year, suitable for 4 and 5-inch pots..... 5.00
- Roses, 2 year, suitable for 3 1/2 and 4-inch pots..... 6.00
- H. P. and Moss..... 2.50
- Petunias, dbl. fine strain, ass't'd, 2-in., strong 2.50
- Chrysanthemums, splendid ass't'm't, 1000, \$20 2.50
- Palm Washingtonia Filifera, 2 1/2-in..... 4.00
- Chamaerops Exceles..... 4.00
- Wistaria Chinense, one year, strong..... 2.50
- Ceraniums, Ivy, Florens, Jean d'Aro, Galilee, 3.00
- Happy Thought, \$4.00; Mrs. Pollock 5.00
- Begonia Vernon..... 3.00
- Lemon Verbena, strong..... 3.00
- Ampelopsis Veitchii, 1 1/2 to 3 feet, dormant. 4.00

☞ Cash or satisfactory reference required.
 THOS. A. McBETH, Springfield, O.

AZALEAS FOR EASTER.



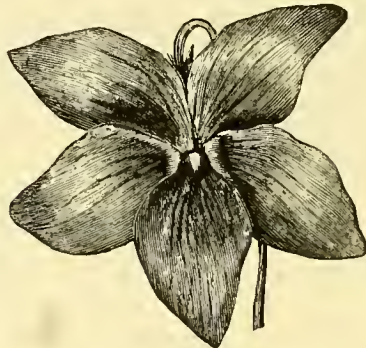
AZALEA INDICA.

HENRY A. DREER,

714 Chestnut St., PHILADELPHIA.

We can still furnish a fine lot of Azaleas in prime condition for Easter forcing. **ORDER NOW** while the buds are not too far advanced, as they will reach you in much better condition now than later in the season. We offer beautiful specimen plants in two sizes, grand stock in every way.

Each Dozen
 CROWNS, 24 inches in diameter . . . \$3.00 \$35.00
 CROWNS, 18 inches in diameter . . . 2.50 30.00
 A fine lot of 12 to 15 inch Crowns, well set, at \$9.00 per dozen; \$70.00 per 100.
 Also a lot of small plants with crowns about 8 inches in diameter, at \$3.50 per dozen; \$25.00 per 100.



THE CALIFORNIA!

MAMMOTH NEW VIOLET.
 FLORAL WONDER OF THE CENTURY.

Blooms cover a silver dollar; stems 12 to 14 inches long; color deep violet-purple (does not fade); fragrance intense; several hundred flowers from a single plant; blooms during seven months in the year. Price, \$10 per 100; \$70 per 1000. 500 at 1000 rate.

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 SHORT HILLS, N. J.

Rooted Cuttings or 2-inch pot plants.

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CHAS. W. REIMERS,

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Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established

- Lil. Auratum, Spec. Rubrum and Album, Etc.
- Iris Kämpferi, in 100 choice varieties.
- Japanese Maples, in best varieties.
- Camellias, Paeonies, Tree Ferns, Raphis, Etc.
- Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

F. Gonzalez & Co.,
 303 to 312 Wayne St., SAN FRANCISCO, CAL.

ORCHIDS OUR SPECIALTY.

The Best and Largest Stock in the World.
 New & Rare Foliage & Flowering Plants.

A grand selection for Stove, Greenhouse and Conservatory.

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Pansy Plants.

EXTRA FINE STRAIN.

75 cents per hundred; \$5.00 per thousand.

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GREAT REDUCTION.

\$60.00 Worth for \$40.00. Must be sold or transplanted. We prefer the former.

- 1000 Flowering Shrubs for \$40.00, choice, finely rooted, well branched, clean, thrifty stock, including
- ALTHEAS, six varieties, 2 to 3 feet.
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Also a large stock of SHADE TREES, VINES and EVERGREENS.
 Send list of wants for us to price.

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Plants, Bulbs, Orchids, Etc.
 106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.

200,000 2 year BARR'S ASPARAGUS
 10,000 CURRANTS, 2 year, No. 1.

Large stock of ALL KINDS of FRUIT TREES. Full assortment of SHADE TREES and EVERGREENS, NUT TREES, OSAGE ORANGE, etc. Write for prices.

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For Sale to the Trade during Easter Week.

15,000 HIGH GRADE LONGIFLORUMS

IN POTS OR CUT FLOWERS.

Apply to WELCH BROS., No. 2 Beacon St., BOSTON.

Fresh Asparagus plumosus nanus Seed.

GROWN AND FOR SALE BY

RUDOLPH ASMUS, New Durham, N. J.

Per 100 Seeds, \$1.50. Per 1000 Seeds, \$10.00.

CASH WITH ORDER.

Here is a Bargain in SWAINSONA.

We have reduced our former price on Rooted Cuttings of Swainsona, and can now sell them to you as cheap as any one else. Write for prices before the stock is sold.

WALTER R. CLIFFE,
Main and Johnson Streets,
GERMANTOWN, Phila., PA.

CATALOGUE PRINTING.
ELECTROTYPING.

Done with expert ability for Florists,
Nurserymen, Seedsmen. Write to
J. Horace McFarland Co.
HARRISBURG, PA

New Chrysanthemum, PHILADELPHIA.

The great prize winner. 50 cents each; \$6.00 per dozen; \$35.00 per 100.
ROSE QUEEN, from 2 1/2-inch pots, per dozen, \$2.00; per 100, \$12.00.

NEW CARNATIONS UNCLE JOHN, white; THE STUART, scarlet; SWEETBRIER, pink; SAMBO, crimson; \$1.00 per dozen; \$5.00 per 100. EDNA CRAIG, 40c. per dozen; \$3.00 per 100. BUTTERCUP, \$4.00 per 100.

SWAINSONA GALEGIFOLIA ALBA, nice bushy plants from 2 1/2-in. pots, \$5.00 per 100.
Wholesale Price List of new and rare plants sent on application.

C. EISELE, 11th and Jefferson Streets, Philadelphia, Pa.

PALMS.

150,000 of all the leading varieties.

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50,000 of leading varieties.

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NEW, RARE AND BEAUTIFUL PLANTS.

STROBILANTHES DYERIANUS. This is the most valuable novelty which has been introduced for years. For bedding is superior to the finest coleus. Withstands hot sun and dry weather better.

Spiraea "Anthony Waterer," flowers rich crimson. Lord Penzance's New Hybrid sweet Briar. Felargoniums—All the finest European novelties. ORCHIDS.—A very extensive stock; East Indian, Mexican, Central and South American, etc.

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PEONIES.—A large collection of the finest in cultivation. Hardy Perennials, Phloxes, Japanese Iris, Roses Clematis, etc. New and Standard Fruits, etc. Catalogues on application

JOHN SAUL, WASHINGTON, D. C.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Cincinnati.

The supply of stock for the first half of the week was very limited, but trade being quiet at the same time no great trouble was experienced in filling orders. Towards the end of the week business became more brisk. Saturday was one of the busiest days this season and everything was cleared up, although stock the latter part of the week was quite abundant. This week starts in with a heavy cut in roses. Crops are in at a number of large establishments, which threatens to cause a glut unless business keeps apace, but the prospect for a good Easter trade appears to be bright.

In social circles there is quite a stir and a number of prominent weddings and other social gatherings are announced for the next two or three weeks.

Prices remain the same as last week. Beauties come in more freely and are offered at 25 to 30 for selected stock; short stemmed go at 8 to 15. Hybrids are rather scarce yet, in fact there is less stock of this class of roses offered in our market this season than has been the case for a number of years. Nearly one-half of the present supply is shipped from outside points at that. The price rules firm at 25. Jacques are of good quality and fairly plentiful at 12 to 15. Of larger teas the supply is heavy and of a quality that averages better than has been noted for some years at this season. Brides, while quite plentiful, meet with brisk demand, the price being held stiff at 5 to 6. La France has improved wonderfully, and some extra fine stock is offered at 4 to 5; Mermets 3 to 4. Meteor is improving, though a large proportion is still of poor quality; the best selected bring 6 to 8; seconds go at 4 to 5. Bridesmaid is offered in limited quantities at 6 to 7.

Carnations are very abundant, particularly colored sorts. Common varieties in red and pink go at \$1 to \$1.50; white is held \$1.25 to \$1.50, fancy at \$2 to \$3.

Harrisii, up to the end of last week, have been very short, but are coming in quite freely again. They go at 6 to 8.

Bulbous stock is getting more plentiful, and the demand is quite brisk. Romans are noted in large quantities; first quality goes at 3. Valley is in fair demand; good stock is selling briskly at 2 to 3. Tulips are very slow at 2 to 3. Of Dutch hyacinths the supply is short; price 3 to 5. Daffs. are very slow at 3 to 4.

Violets are still plentiful, and the demand is quite brisk; stock of all grades is readily sold at 75 cents to \$1. Mignonette is very plenty and of good quality, 2 to 2.50. Smilax is very scarce, price 20 to 25.

The fakir is out again in full force and appears to do a thriving business. It is astonishing to note the amount of stock disposed of by them.

Louis Pfeiffer & Sons have opened up a neat little store on York street in Newport, Ky.

Corbett & Wilson of College Hill are cutting some fine Beauties.

W. A. MANDA, MERCHANT, GROWER, IMPORTER & EXPORTER OF FLORISTS' Plants, Seeds and Bulbs. NOVELTIES A SPECIALTY. The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

EASTER CARNATION. Fine large bushy plants filled with buds and blooms. McGowan, Silver Spray, Daybreak, Nellie Lewis and Garfields \$12, second size \$10 per 100. Also some varieties fine for early spring blooming; mostly filled with buds now, at \$8 per 100 plants. All orders receive prompt attention. Address GEO. STAPFLEGER, Florist, Springville, N. Y.

Carnations
Wm. Swayne
Kennett Squ.

NEW.

OPELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$30.00 per 1000.

STANDARD.

Table with 3 columns: Name, Price per 100, Price per 1000. Includes Sweetbrier, Helen Keller, Uncle John, Stuart, Buttercup, Scott, Daybreak, Cartledge, Portia, McGowan, Fisher (from soil for Summer).

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

NEW CARNATIONS.

Table with 3 columns: Name, Price per 100, Price per 1000. Includes BRIDESMAID, METEOR, STORM KING, Ready April 1st, 1895.

Table with 3 columns: Name, Price per 100, Price per 1000. Includes UNCLE JOHN, THE STUART, E. A. WOOD, GOLDFINCH, WM. SCOTT, DIAZ ALBERTINI, DAYBREAK.

NO RUST. GOOD STOCK.

New Chrysanthemums.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Mrs. H. W. Emerson, yellow (large); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100. Ready March 1st, 1895.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$8.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON, La Fayette, Ind.

EXTRA FINE REX BEGONIAS.

Strong plants, 2 1/2-inch pots, assorted . . . \$4.00
Strong plants, 3 1/2-inch pots, assorted . . . 5.00
Also immense line of Roses Carnations and a general stock. Send for quotations.

THE NATIONAL PLANT CO., Dayton, Ohio.

PANSIES.

The Jennings strain of Large Flowering and Fancy Pansies in bud and bloom, ready April 1st. The Finest Strain is what every Florist wants. Plants grown in cold frames, firm and stocky, by express, per 100, \$2.00; \$15.00 per 1000. Small plants, prepaid by mail, 60 cents per hundred. All colors mix d.

E. B. JENNINGS,

Wholesale Pansy Grower, Cash with order. Lock Box 254, SOUTHPORT, CONN.

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ALL IN THE BEST VARIETIES.

ROSES, CARNATIONS, CHRYSANTHEMUMS, VERBENAS. Rooted Cuttings and Plants. Send for price list. WOOD BROTHERS, FISHKILL, N. Y.

PRICE LIST

ROOTED CUTTINGS CARNATIONS, ETC.

Table with 3 columns: Name, Price per Doz., Price per 100, Price per 1000. Includes NEW SEEDLINGS 1895, Eldorado, Kitty Clover, Esulae, Princess Bonole, Dr. Warder, Daisy Bell, Lawrence Thompson, Ophelia.

The above varieties are all bringing the top price in the Philadelphia market.

GENERAL COLLECTION.

Table with 3 columns: Name, Price per Doz., Price per 100, Price per 1000. Includes Sweetbrier, Helen Keller, Purple Gem, Wm. Scott, Mme. Diaz Albertini, Buttercup, Stanley, Daybreak, Thos. Cartledge, Brutus, Caesar, Chester Pride, J. R. Freeman, Puritan, Tidal Wave, L. L. Lamborn, E. G. Hill, Wm. F. Dreer, Nellie Bly, Grace Wilder, Lizzie McGowan, Portia, Mrs. Fisher, Annie Pixley, Lola Huetzel, Hawaii, Angelus, Marie Louise Violets, Swanley White, Lady Campbell, Giant Double Alyssum, Coleus, 12 new kinds by mail, General list Coleus, By express, Red and yellow Verschuffelt and other yellows, Stock plants general list, Verschuffelt and yellows.

W. R. SHELMIER, Avondale, Pa.

Mention American Florist

20,000 WM. SCOTT

Rooted Cuttings ready for immediate delivery

\$3.00 per 100; \$25.00 per 1000.

Cash with all orders.

DAILLEDOUZE BROS., Flatbush, N. Y.

50,000 Carnations.

ROOTED CUTTINGS. Ready now. Positively no Rust! Also rooted runners Lady Campbell Violets.

Send for Price List.

Wm. Swayne, P. O. Box 226, KENNETT SQUARE, PA.

NEW AND TESTED CARNATIONS OUR SPECIALTY.

Send for price list.

FISHER & AIRD, ELLIS, NORFOLK Co., MASS.

CARNATIONS.

Table with 3 columns: Name, Price per 2-inch Sand Pots, Price per 6-inch Pots. Includes Helen Keller, Adelalde Kresken, McGowan, Very strong cuttings—no rust, LADY THOMPSON STRAWBERRY PLANTS, and others at low rates.

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VERBENA—ROOTED CUTTINGS

free from rust and mildew, fine varieties, 50c. per 100, \$7 per 1000.

Mums, Heliotropes, Fuchsias, 20c. per doz.; the best market varieties, \$1.25 per 100.

Coleus in varieties, 75c. per 100.

WRITE FOR CATALOGUE.

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Carnation Wm. Scott,

Rooted Cuttings, \$20.00 per 1000.

\$00 at thousand rate.

HARMON, BURR & CO., Darien, N. Y.

CHITTY'S NEW PRIZE CARNATIONS

For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
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CARNATIONS READY NOW.

McGowan in any quantity, Mrs. Fisher, Helen Keller, Sweetbrier, The Stuart, Buttercup, Iago, Cartledge, Portia and Dorner.

Write for prices, stating how many you will want of each variety. The prices will be reasonable and cuttings well rooted and healthy.

ALBERT M. HERR,
L. B. 496. **LANCASTER, PA.**

CARNATIONS

Healthy well rooted cuttings of

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| | Per 100 | Per 1000 |
| Lizzie McGowan, Silver Spray, Puritan, Grace Wilder..... | \$1.50 | \$10.00 |
| Daybreak | 2.00 | 15.00 |
| Portia, American Flag..... | 1.50 | 10.00 |
| Tidal Wave and Orange Blossom..... | 2.00 | 15.00 |
| DOUBLE PETUNIAS —Finest white and fringed varieties, \$1.50 per 100. | | |
| CHRYSANTHEMUMS —Finest white, pink and yellow varieties, \$2.00 per 100. | | |
| COLEUS —Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000. | | |
| Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order. | | |

JAMES HORAN & SON,
BRIDGEPORT, CONN.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

NEW SCARLET CARNATION

"SUNBEAM,"

\$5.00 per hundred.

JOHN HARTJE, Indianapolis, Ind.
Mention American Florist.

CARNATIONS.

I have a few thousand Rooted Cuttings of my namesake.

Strong and absolutely free of all disease

\$3.00 per Hundred; \$25.00 per Thousand.

Don't all speak at once.

WILLIAM SCOTT,

479 Main Street,

BUFFALO, N. Y.

It's Safer to buy Carnation stock from those growers who give their entire attention to its production. We grow nothing but Carnations, and ship only the best quality of rooted cuttings. There are no finer McGowans anywhere than ours, and they are cheap at \$2 per 100; \$15 per 1000, while our Scotts and Albertinis at \$3 and \$25, and Daybreaks at \$2.50 and \$20, are A1 in every respect. How many do you want?

ALEX. McBRIDE, ALPLAUS, N. Y.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and *exclusively* for cuttings and plants.

Inspection and correspondence solicited. Descriptive price list on application.

C. J. PENNOCK,
The Pines. **KENNETT SQUARE, Chester Co., PA.**

Garnation Wm. Scott.

The best and most profitable Carnation. It is the most productive. It is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now: per 100 per 1000

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| 5,000 BUTTERCUP..... | \$3.50 | \$30.00 |
| 10,000 LIZZIE MCGOWAN..... | 1.50 | 12.00 |
| 10,000 TIDAL WAVE..... | 1.50 | 12.00 |
| 15.0 DAYBREAK..... | 2.00 | 15.00 |
| 15.0 PORTIA, 15,000 SILVER SPRAY..... | 1.25 | 10.00 |
| 15,000 AURORA..... | 1.50 | 12.00 |
| 50,000 well rooted runners of LADY CAMP..... | | |
| BELL Violets..... | 1.25 | 10.00 |
- JOSEPH RENARD, Unionville, Chester Co., Pa.**

CARNATIONS ROOTED CUTTINGS.
SCOTT, KELLER, SWEETBRIER, DAYBREAK, MCGOWAN, etc.

CHRYSANTHEMUMS PHILADELPHIA,
Mrs. W. H. Hurley, Daillouze, Queen Bonnaffon, Niveus, Pres. Smith, Mutual Friend, etc.

Complete price list on application.
SAMUEL J. BUNTING,
Edinwood Ave. & 58th St. **PHILADELPHIA, PA.**

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BEST CARNATIONS

of the new and old kinds.

We quote you prices on a few of them. Strong, well rooted stock for cash. Per 100 Per 1000

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| KOHINOOR, new white, large, free . . . | \$12.00 | \$100.00 |
| ROSE QUEEN, new, fine variety . . . | 12.00 | 100.00 |
| CORSAIR, the scarlet McGowan . . . | 10.00 | 75.00 |
| ALASKA, large, white, free, new . . . | 10.00 | 75.00 |
| LIZZIE GILBERT, brilliant scarlet. . . | 10.00 | 75.00 |
| STORM KING, large, pure white . . . | 10.00 | 75.00 |
| METEOR, large, bright crimson . . . | 10.00 | 75.00 |
| BRIDESMAID, clear rich pink. . . . | 10.00 | 75.00 |
| WM. SCOTT, free, clean pink. | 3.00 | 25.00 |

GOLOFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100; \$40.00 per 1000.

DAYBREAK, TIDAL WAVE, PORTIA, SILVER SPRAY, LIZZIE MCGOWAN, \$2 per 100; \$15 per 1000.

Send for complete list.

GEO. HANCOCK & SON,
Grand Haven, Mich.

THE NEW WHITE CARNATION

MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

Per 100 Per 1000
We offer them, 2 1/2-inch pots..... \$6.00 \$50.00
Lizzie McGowan, rooted cuttings..... 19.00
ROSES—Bridesmaids, 2 1/2 inch pots.... 3.00 25.00
Brides, 2 1/2-inch pots..... 3.00 25.00
Orders booked for Delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

NEW CARNATION. PEACHBLOW.

Dark blush pink. Rooted Cuttings, \$8.00 per 100; \$65.00 per 1000. Good stock. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

Always mention the American Florist when writing to advertisers.

St. Paul, Minn.

Trade has been fair notwithstanding the prevailing dullness in many lines of business during the Lenten season. White roses and carnations especially have been quite scarce, and Chicago has been called on several times during the past month for funeral flowers. Plants have sold very well and altogether there is a hopeful feeling abroad in the land.

The weather has now settled down to the warm and halmy state of spring and the quality and quantity of the cut is benefited thereby. Roses now being brought in are fine. Prices range about the same as at the beginning of Lent. The demand for Beauties has been poor, while the cut is the best of the season. We presume the demand will increase after Easter. Roman hyacinths, the mainstay for funeral work, are quite scarce, the demand early in the season having exhausted the supply.

In the plant line L. L. May & Co. have several large houses filled with Harrisii and longiflorum that are coming on in good shape for Easter, also a house of hybrid roses. Another house of hydrangeas with clusters of blooms a foot or more in diameter give promise of an excellent showing one week hence.

E. F. Lemke has a nice assortment of blooming plants, as has Swanson, Vogt, Venke and other of our storekeepers. With an abundance of good flowers and good weather for disposing of them Easter trade ought to be the largest in the history of this city.

L. G. Venke is moving his business to a more commodious store and a more central location. His store will be the sixth flower store within a radius of three blocks.

The warm weather has brought out the flower vendors at the city market, and two or three stands are in operation.

As we are writing this news comes to us of the death of Paul Kurucar, our well known wire worker. The boys will all miss the familiar face of "Paul," the name he generally was known by.

We hear of our former friend Louis Edlefson as doing a good business in Los Angeles, California, whither he migrated a year since.

The next meeting of the State Florists' Society will be held in this city on Friday evening next. Mr. Bartels is appointed the speaker of the evening. The question as to whether the twin cities shall have a chrysanthemum show another fall will be thoroughly discussed. It is to be hoped that this will be a "go" as the trade in these cities fully warrants a first-class show in each. FELIX.

ROOTED CUTTINGS CHRYSANTHEMUMS

All the best new market sorts, 60c per doz.; \$4 per 100. Best market sorts of previous years, 35c per doz.; \$2 per 100. Ready for delivery Feb. 1st. Also SMILAX, 2 1/2-inch pots, \$2.00 per 100; \$15.00 per 1000. Address J. G. BURROW, Fishkill, N. Y.

PELARGONIUM. "THE BRIDE."

For beauty, profusion of bloom and dwarf, shapely habit of growth—the best Pelargonium in existence. Color, upper petals, pink; lower, white. Price plants in bud or blossom, \$6.00 per hundred; by mail postpaid, \$1.00 per dozen. Farfugium Grande, fine plants, \$7.00 per 100; by mail postpaid, \$1.00 per dozen.

TILTON BROS. No. 222 Grove Street, AURORA, ILLS.

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CHRYSANTHEMUMS.

We have ready for immediate delivery the following rooted cuttings.

	Per 100		Per 100
Major Bonaffon	\$4.00	Mutual Friend	4.00
Eugene Dalledouze	4.00	Mrs. J. Geo. His	4.00
Mrs. Jerome Jones	4.00	Mrs. Therese Key	4.00
The Queen	4.00	Mrs. E. G. Hill	4.00
Illuminator	3.00	Adm. H. Leroy	3.00
Niveus	3.00	Ernaalda	3.00
Malmulson	3.10	Col. W. B. Smith	2.00
W. H. Lincoln	2.00	J. H. Taylor	2.00
Mrs. J. G. Whildin	2.10	Jos. H. White	2.10
Miss Sue T. Price	2.40	Ivory	2.40
E. G. Hill	2.40	Harry Balsey	2.40
Mrs. Geo. Ballock or Domination	2.40	Princess of Chrysanthemums	2.00

Swainsona Galegifolia Alba.

GET YOUR STOCK FROM HEADQUARTERS. Fine young plants \$6.00 per 100.

PALMS.

ARECA LUTESCENS, 4 feet 6 in. high, splendid specimens, \$5.00 each. 6 feet high, from \$7.50 to \$10.00 each, according to the specimens. 7 to 8 feet high, grand specimens, \$15.00 to \$20.00 each. KENTIA BELMOREANA, 3 feet high, very fine value for the money, \$3.50 to \$5.00 each, according to the condition of the specimens. We have some pretty little specimens in 5-inch pots, at \$1.50 each. These cannot fail to prove satisfactory.

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Lizette Gilbert	\$10.00	\$75.00	Bouton d'Or	\$8.00	\$70.00
Helen Keller	5.00	40.00	Goldfisch	5.00	40.00
Sweetbrier	5.00	40.00	Jacqueminot	5.00	40.00
Iago	5.00	40.00	The Stuart	5.00	40.00
Ad. Byron	5.00	40.00	Annie Pixley	5.00	40.00
Ucele John	5.00	40.10	Buttercup	4.00	35.00
Wm. Scott	3.00	25.00	Mad. D. Albertini	3.00	25.00
Lulu	3.00	25.00	Hector	3.00	25.00
Drybreak	3.00	25.00	Nicholson	3.00	25.00
Mrs. Reynolds	3.00	25.00	Gracie Battles	2.50	20.00
Lizzie McGowan	2.50	20.00	Portia	2.00	15.00
Silver Spray	2.00	15.00	White Dove	2.00	15.00

Our stock is in excellent condition. Inspection invited.

MONEY ORDER OFFICE, STATION "H," Philadelphia.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000. NO RUST OR MILDREW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR. We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

Millbrook Lea GREENHOUSES,

West Whiteland P. O. Chester County, Pa.

SPRING TRADE 1895 PRICE LIST.

CARNATIONS, SWEET ALYSSUM, VIOLETS, FUCHSIAS, PETUNIAS, COLEUS. SWAINSONA.

J. L. MAULL, Proprietor. RICHARD JONES, Manager.

Whitford Station, P. R. R.

Send for Circular and price list.

Chrysanthemums AND Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

CHRYSANTHEMUMS.

Strong 2-inch, none better.

Ivory	per 100, \$3.00
Jessie	per 100, \$2.50
W. H. Lincoln	" 3.00
The Queen	" 3.00
W. H. Hallock	" 2.50
Gloriosum	" 3.00
A. H. Fowkes	" 4.00
Minnie Wannemaker	" 3.00

PROBST BROS. FLORAL CO., 1017 Broadway, Kansas City, Mo.

"ROSE LEAF" EXTRACT OF TOBACCO, INSECTICIDE,

Death to Aphis, Red Spider, &c.

.....WRITE FOR PAMPHLET..... - LOUISVILLE SPIRIT CURED TOBACCO CO., - LOUISVILLE, KY., U. S. A.

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F. Macrae, 138 Smith St., Providence, R. I.
E. H. Hunt, 68 Lake St., Chicago, Ill.
C. A. Kuehn, 1122 Pine St., St. Louis, Mo.
Wisconsin Flower Exchange, 468 Milwaukee St., Milwaukee, Wis.
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CLEMATIS.

Home Grown, own Roots, in 20 Leading Kinds.

2 year \$3.00 per doz.	\$22.50 per 100
3 year 4.00 "	30.00 "
4 year 5.00 "	40.00 "

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Get on your glass's and see what Felthousen, the Coleus Specialist, has to say for himself. We are now booking orders for Coleus, C. Verschaffeltii; 20 best bedding varieties, and last, but not least, Golden Queen, the queen of all yellows, out of 2 1/2-in. pots, at \$15 per 1000; 500 at 1000 rates

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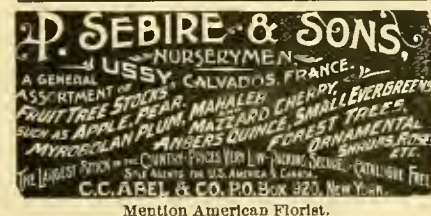
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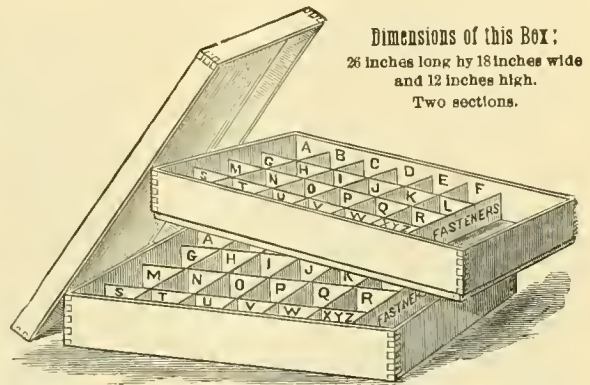
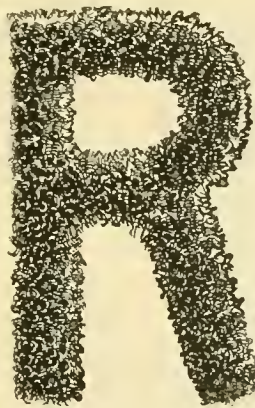
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 Two sections.

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Hammond's Cottage Colors,
 FOR ALL STRUCTURAL PURPOSES.

This Paint is absolutely pure. Its combination is Linseed Oil, Lead, Zinc, and Fine Pigments for colors, and is as durable as paint can be made, being entirely free from any impoverished material.

I WILL PAY \$100 FORFEIT FOR ANY ADULTERANT FOUND IN ITS COMPOSITION.
 August, 1894. BENJAMIN HAMMOND.

NET TRADE PRICES, Delivered at your R. R. Station in 5 gallon lots or over.

MR HAMMOND:
 Please give me price for the paint like the enclosed sample. I could get it here, but your paint wears so well that I prefer to get it from you. Very respectfully,
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HAMMOND'S PAINT AND SLUG SHOT WORKS,
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SOLUBLE FIR-TREE OIL INSECTICIDE.
 E. GRIFFITHS HUGHES
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 CATEATON ST.
 The best and safest Destroyer of all kinds of Insects and Parasites infesting Plants and Trees, whether at the roots or foliage.
 Excellent Wash for Plants, Dogs, Cattle, Poultry, etc., intended for show.
 Price \$1.00 the quart tin, \$3.25 the gallon tin.
 Sold by the Seedsmen, or at the Mfr's General Depot for America,
August Rolker & Sons, New York.

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ACME PLANT FOOD.
 A Special and Complete Fertilizer for all kinds of Fruits, Vines, Plants, Flowers and greenhouse use. Put up in boxes of 1, 2 1/2 and 5 lbs. each.
ACME Special Grass or Lawn Food.
 Will keep a lawn green the whole year. Put up in cloth bags of 5, 20, 50 and 100 lbs. each.
ACME Garden Vegetable Food.
 Put up expressly for all kinds of Vegetables in cloth bags of 5, 20, 50 and 100 lbs. each.
 WANTED - Responsible Agents in every City to sell my Acme Special Fertilizers which are put up by experienced men. Send for price list. Discount to Agents.

HERMANN RÖLKER,
 Mafors. Sole Agent.
 218 Fulton Street, NEW YORK.
 Mention American Florist.

Denver, Colo.

The store men report a good retail trade and quite a few mid-Lent decorations.

Mr. John Berry, Mr. A. M. Lewis and Mr. T. Loken have leased the Westminster greenhouses (formerly run by the Denver Florist Co.) for a term of years and will grow cut flowers and plants for the Denver market. They will occupy a store on 16th street soon.

Mr. A. E. Wiggam has retired from the Park Floral Co., his interest having been purchased by Mr. J. Valentine.

Mr. E. A. Wood has returned from Pittsburg, where he attended the S. A. F. Executive Committee meeting. He reports a pleasant trip—barring an unpleasant railroad accident near Terre Haute, Ind., on the return trip.

The advance schedule for the third annual chrysanthemum show of the Denver Florists' Society is out. An extra effort is made this season to secure exhibits of blooms—particularly seedlings—from eastern florists.

Mr. John Berry, president of our Florists' Society, who has lately returned from a trip through England and Ireland, entertained the boys at the last meeting by an interesting account of his observations and comparisons between commercial floriculture in Great Britain and the U. S.

Lilium Harrisii will be scarce in Denver this Easter, owing to the disease and other causes—mainly "other causes."

The Colfax Floral Co. have closed their store at 1128 16th street, still retaining their other store.

The Denver Florist Co. have closed their store in the Brown Palace Hotel, and have sold their store at 959 16th street to Smith & Co., Mr. S. Haycox remaining in charge.

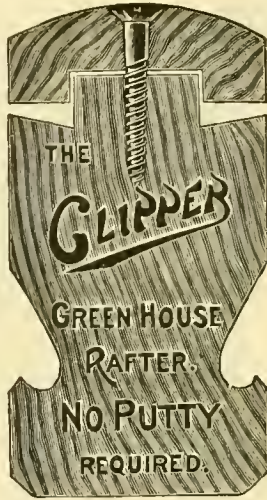
A visit to the "Floral Department" (!) of the Daniels & Fisher Dry Goods Co. recently disclosed the fact that the stock of the department consisted of five roses, three carnations and one Von Sion. Why they stocked up so heavily on Von Sion could not be learned.

Mr. E. Glauber of Montclair has cancelled his contract with the Park Floral Co. and is once more in the field as a retailer.

The "Carnation Belt" had better look to its laurels. Colorado growers are waking up and Colorado is an ideal carnation country. G.

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WOOD ENGRAVING & HALF-TONE PROCESSING
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FOR SUPERIOR DESIGNING AND ENGRAVING
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Insecticide Liquid & Powder Sprayers
WOODDASON'S PAT. for house, garden and field, \$1 to \$3 each.
First Prize at the American Florist Convention, 1894.
Send for Catalogue.
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WORLD'S FAIR HIGHEST AWARDS
When writing mention the AMERICAN FLORIST.



What Growers Say! A Different Letter Every Week

MONTCLAIR, N. J., Jan. 14, 1895.
LOCKLAND LUMBER CO., Lockland, Ohio.

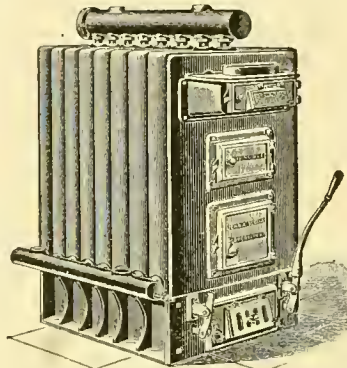
Gentlemen:—The Cypress Greenhouse Material obtained from you last Fall proved of excellent quality and very satisfactory. Should we at any time enlarge our plant you will hear from us again.
Yours truly,
E. & J. C. WILLIAMS.

Green-House Material.

The finest **CLEAR CYPRESS** used.

For circulars and estimates ADDRESS

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It will be to your advantage to look into the merits of the SCOLLAY "INVINCIBLE" HOT WATER BOILER.

It is all that its name implies and don't forget it.

Cuts and full information mailed on application.

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Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

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CHEAP SUBSTITUTE FOR GLASS on Hot-beds, Cold Frames, etc. Three grades. Light, Medium, Heavy.



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Lawn Settees
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FLOWER POTS AND PEDESTALS.



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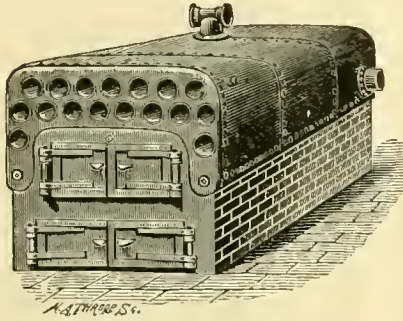
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DEVINE'S BOILER WORKS.

THE FLAT TOP TYPE
Wrought Iron Hot Water Boilers.

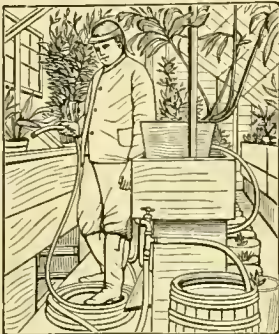


Capacity from 350 to 10,000 feet of four-inch pipe.
SEND FOR NEW LIST.

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Every florist, market gardener, owner of lawn, grass-plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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Only 29 Kingstons in the U.S. Get the state straight.
"They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Asso., Ill.
"The most valuable labor saving invention I ever used."—C. E. WELD, Rosindale, Mass.

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Is unreliable because it depends upon the element for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

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are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

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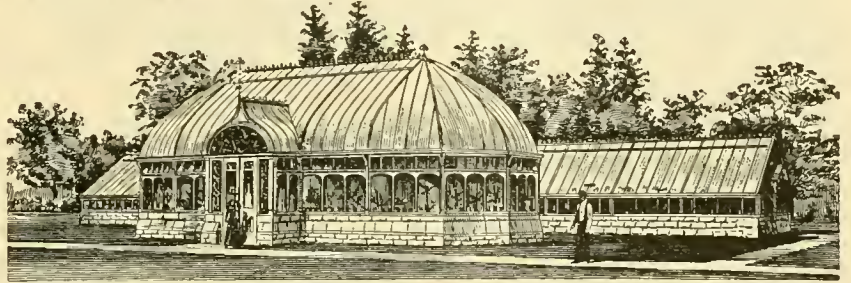
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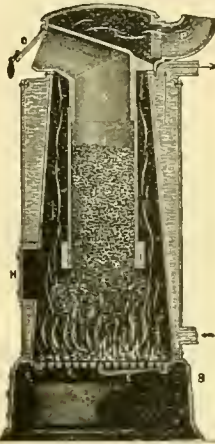
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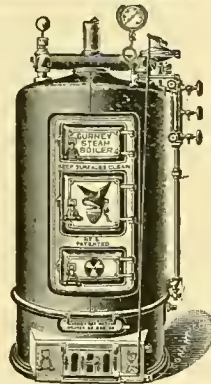
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And all places requiring hot water for HEATING AND GENERAL USE.

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GLASS

which is absolutely perfect for modern greenhouse construction.

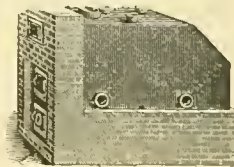
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Send for catalogue and price list.

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"It will do tomorrow" is the sort of insanity that makes aphides laugh, rusts carnations, mildews roses, freezes houses and brings the sheriff right in across your threshold.

Better be on top of one tree than hugging the bottoms of many.

If you cannot grow the plant give it away or dump it.

Imagine your place a boarding house, where every plant must pay according to the room he takes and the attention he needs.

Never say you will pay in June when you know you can't do it till August.

Do your watering early if you are determined to breakfast late.

Patching an old house is like patching old pants; it pays for a little while only.

Ani M. Osity keeps store in most large towus. THE OLD CRANK.

A Serious Oversight.

There is an enterprising florist in a western town who is determined to "get there," although competition is very keen. Recently, when the chief of the fire department died, he loaded his wagon with assorted wire designs, and made a circuit of all the engine houses in the city, canvassing the firemen for an order. He finally obtained an order for the floricultural spasm known to the trade as the "Heavenly Portals," the casting vote being given in consideration of his offer to drive around to all the engine houses with the design, after it was completed, for the purpose of exhibiting it to the firemen on duty. This was done until the design began to exhibit symptoms of dissolution, when the enterprising florist had to cease his triumphal progress. It is the opinion of his florist brethren that the only thing lacking was a brass band playing solemn dirges as the procession moved majestically through the city.

J. N. STRUCK & BRO.

Manufacturers of

• CYPRESS • Greenhouse Material,

LOUISVILLE, KY.

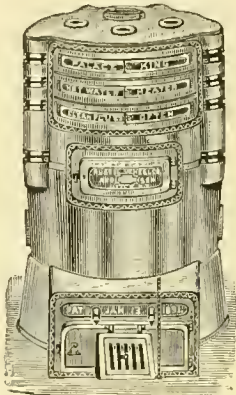
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March 5th, April 2nd and April 30th tickets will be sold via Chicago & Eastern Illinois Railroad to various points in Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Virginia, and to points in Florida west of River Junction, at one fare for the round trip. For tickets and information apply to your nearest agent, City Ticket Office C. & E. I. R. R., 230 Clark St., Chicago, and C. W. Humphrey, Nor. Pass. Agent C. & E. I. R. R., St. Paul, Minn.

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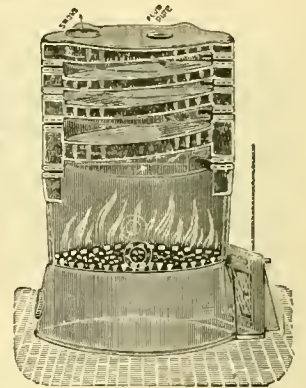
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ESPECIALLY DESIGNED FOR GREENHOUSE HEATING.



WRITE US.

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The Whilldin Pottery Company,

713, 715, 717 & 719 Wharton St., Philadelphia, Pa.

BRANCH WAREHOUSES:

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STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Doppfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

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Detroit Flower Pot Manufactory STANDARD POTS.

Fern or Bulb Pans.

STOCK UP TO DATE.

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Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere.

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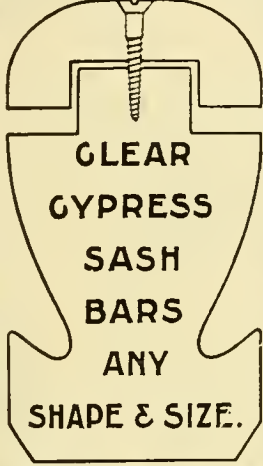
STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

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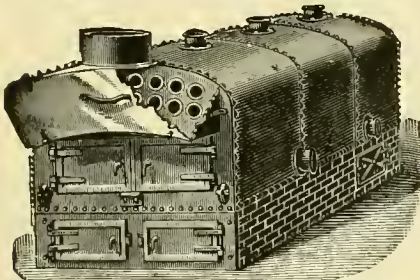


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SHAPE & SIZE.

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All Steel. No Coils of Cast Iron Sections.
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Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

Pipe can be easily put together by any one, very little instruction being needed.

GET THE BEST.

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.

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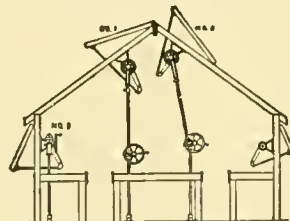
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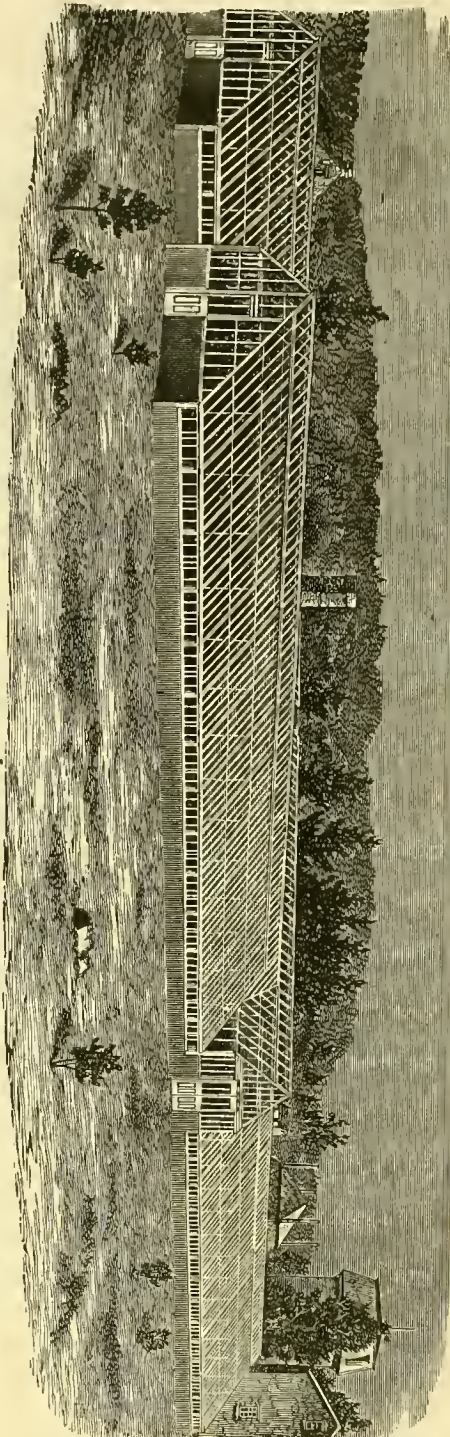
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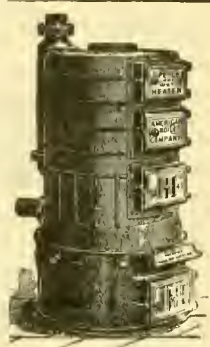
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MUNCIE, IND.—Trade has been fairly good, but with four florists in a city of the size of Muncie prices have been brought down to a close margin. The Muncie Floral Co. will soon build another house, short-span-to-south. They have a branch at Hartford City, Ind., and are now starting a branch at Winchester, Ind. Mr. Carres found his boiler too small during the cold weather and will put in a new one this season. Geo. Miller has had a heavy run of funeral orders lately. George always gets his share of the trade. Geo. Kendall has a fine batch of well grown Harrisii.

Do YOU WANT a list of the cemeteries of the country that use trees, shrubs and plants largely in the ornamentation of their grounds and that are apt to be large buyers of these and other horticultural supplies? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.



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THE AMERICAN FLORIST



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Vol. X. CHICAGO AND NEW YORK, APRIL 13, 1895. No. 358

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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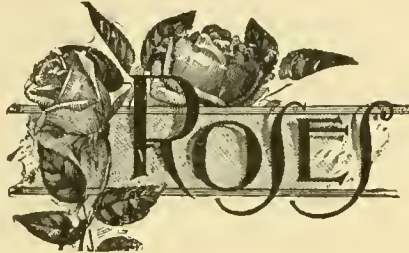
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PEORIA, ILL.—Fire did slight damage to the boiler room at Kuhl's greenhouses March 30. No insurance, but loss small.

IN Mr. A. T. Hoyt's adv. on page 918 of our last issue the description of boiler should have read "from 24 inch shell, 6 feet long, up to 8 1/2 inch, eighteen feet long."

SOME BLOOMS of the Belle Siebrecht rose were sent to Berlin and were received in condition for exhibition. The rose was well received by the German society at whose exhibition it was displayed.

JOHNSTOWN, PA.—A. Akers & Co. is the name of a new firm here; they have something over 5000 feet of glass on Maple Lane, in the Eighth Ward, and will manage a general florist's business.



Roses for Bedding.

The rose garden at the World's Fair, and which remains now as a feature of Jackson Park, Chicago, promises to be a great attraction to lovers of the rose the coming season. All the plants came through the winter in excellent condition, and being now thoroughly established will make a grand showing.

From the time the garden was first prepared until the present time it has been under the care of Mr. Melchior Luetsch, a Swiss, an exceedingly painstaking and careful gardener, and he is justly proud of his success in a climate and soil notably unfavorable to the growth of roses out of doors.

In answer to questions Mr. Luetsch said: "While I know it was considered practically a hopeless task to create a really creditable rose garden here I am satisfied that if proper care is given we can easily overcome the unfavorable conditions, and can have rose gardens in America fully equal to the best to be seen abroad.

"The most unfavorable conditions that we have to meet here are the hot burning summer sun and wind and the great fluctuations in temperature both summer and winter. My experience in caring for the roses at the World's Fair showed me that what they needed was a cooler bottom than the soil there naturally afforded, the soil being of a very sandy nature. Of course we all know that the soil around Chicago is very unsuitable for roses. To correct the deficiencies in the soil and climate noted, I found that a suitable mulching was the remedy. The rose likes a warm top, which it has naturally here, and when the cool bottom is given the necessary conditions are supplied. I have found the best mulching for roses during the summer time to be the clippings from the lawn, laid on about three or four inches thick over the whole soil of the beds. This not only conserves the moisture in the soil, but prevents the heat penetrating and gives the requisite cool bottom. This mulch is allowed to stay on all summer.

"As to protection of the roses during the winter, I have found this method to be the best: About the latter part of October, depending upon the weather, I place over all the roses a layer of about a foot deep of dry leaves. The leaves must

be quite dry when applied, and the ground must also be dry when the leaves are laid on; this point is quite essential. Soon after that I lay over the leaves a layer of about four or five inches of cut grass from the lawn. In the case of beds this covering is built up toward the center so as to better shed the water. The great point in a winter covering of this sort is to keep the water from the soil, and to keep the whole plant dry as well as the soil. I find that this covering of short clippings from the lawn is almost impervious to water. In uncovering the rose beds this spring I find in many places that the grass had shed the water so well that the leaves beneath were still perfectly dry.

"Although the garden included a large variety of tea roses none of the shoots were bent down with the exception of Gloire de Dijon. With the exception of this rose the majority of the teas were frozen down near to the ground, but in no case were they frozen below the ground line, and all show signs of starting out in good shape from the bottom. In the case of Gloire de Dijon, which had very long branches, these were bent down and covered with the leaves and grass and they came through the winter without losing an inch of the tips. Considering the tenderness of this rose under ordinary circumstances, this will best illustrate the efficacy of the protection.

"In the case of the hybrids, each plant was bent over and secured to the ground with an iron wire hoop, and then covered with the leaves. Being short of lawn clippings after covering the tea roses, I did not have sufficient to treat the hybrids in the same way, so I simply placed over the leaves the cuttings from the beds of ornamental grasses, merely to keep the leaves in place and prevent their being blown away by the wind.

"In reference to planting roses, the ground should be very deeply and thoroughly worked. Then in setting the plant a hole of sufficient size to spread out the roots well and naturally must be made, then throw on the soil and make it firm, but do not tramp it too hard; remember that you are setting out a plant and not a post. In setting the roses, if the plants are grafted, the plant should be set so low that the graft will come at least four inches below the surface of the soil. This is done so that in case frost does penetrate down, it will not reach below the ground and thereby reach the graft.

"The Duchess of Albany carried through the winter even better than La France. In the whole collection of roses at the World's Fair I found Mrs. John Laing the best hardy rose. It grew well and had no disease, mildew or insect pest, and bloomed steadily from June until frost. This is surely the best hardy rose for the vicinity of Chicago. Margaret Dickson is a strong and healthy grower

and a good bloomer; the large white flower is very similar to Merveille de Lyon, but better. Alfred Colomb proved a good healthy grower and good bloomer, and Louis Van Houtte was extra good. Marshall P. Wilder was also extra fine. The only hybrid that did not pass the winter well was the American Beauty.

"I have had no trouble from rose bugs or other insects. I think the winds from the lake may have had something to do with this. The way the wind swept across the island at times was startling and proved conclusively to me that roses need no special protection from the wind if other conditions are favorable.

"With the summer mulching that I have recommended not much extra watering is necessary. I gave the plants no syringing, except what was given with the hose. I would deprecate going in among the plants when the foliage is wet. Damage seems always to result."

Among the roses in the World's Fair Garden that seemed to Mr. Luetschg specially desirable as bedders are the following:

Margaret Dickson.
Jeannie Dickson.
Mrs. John Laing.
Merveille de Lyon.
Marshall P. Wilder.
La France.
Earl of Dufferin.
Perfection des Blanches.
Jules Margottin.
Mme. Plantier.
John Hopper.
Paul Neyron.
Anna de Diesbach.
Louis Van Houtte.
Caroline d'Arden.
Duchesse de Caylus.
Mrs. Bosanquet.
Francois Levet.
Auguste Mie.
Pæonia.
Duchess of Albany.
Genl. Jacqueminot.
Mme. Georges Bruant.
Rosa rugosa.
Belle de Normandie.
La Reine.
Baroness Rothschild.
Anna Alexieff.
Magna Charta.
Gloire de Lyon.
Coupe d'Hebe.
C. M. Maurande.
Belle de Jardin.

But if he were to be limited to a dozen only he would select these as the ideal bedders:

Mrs. John Laing.
Marshall P. Wilder.
Margaret Dickson.
Baroness Rothschild.
Alfred Colomb.
Paul Neyron.
Anna de Diesbach.
Merveille de Lyon.
Jeannie Dickson (a very beautiful cherry red and a grand rose).
Earl of Dufferin.
Gen. Jacqueminot.
Magna Charta.

Arrangement of Flowers.

XX.

CROSSES OF GALAX LEAVES.

The two crosses we illustrate in this issue are frequently called for at Easter, when they are used for church decorations as memorial emblems, etc. It is not, however, for this purpose only that crosses, wreaths and other designs mainly composed of galax are in demand. For funeral purposes in general the galax leaves have come into use to a considerable extent, supplanting to a large degree the English ivy previously so extensively used for such occasions.

The galax leaves can be had in the markets of all large cities at any time during the winter, and are quite inexpensive. The leaves can be purchased in small quantities at 20 to 25 cents per 100, and in large lots for much less. The natural

color of these is a light green, but in fall after the first frosts have set in the foliage takes on an autumn tint, shading from a light to a deep brown, which renders them much more valuable for our purpose; still some of our flower buyers prefer the green, and when possible to obtain both it is best to carry a stock of each on hand. These leaves keep a long time and should be handled the same as the common wood ferns. If proper facilities are had a sufficient stock to last through the winter should be laid in in the fall when the leaves are gathered, and can be bought generally for much less than later on. The leaves come 25 in a bunch, and should be packed rather firmly in boxes, or else they will curl and shrivel up. Place a thin layer of dry sphagnum at the bottom, then a layer of leaves and sphagnum alternately until the box is full. Don't put too many in a box or else they will get heated and spoil; the air in the basement or cellar where they are kept should not be too damp, else the stock will get mouldy.

Our illustrations show a standing cross about 5 feet high. This style of cross is what is termed a block cross, all four sides being of the same width. The cross proper is made up of galax leaves set in rather carelessly. In this way it differs somewhat from the usual way of arranging the leaves, which generally consists of turning the leaves all in the same direction and overlapping them like scales. The loose and careless arrangement of the leaves gives a more natural appearance and is preferable in a design like this, especially in a large size. This is, however, largely a matter of taste, and some of our patrons that have been accustomed to the style more general in use may prefer it.

The modus operandi of putting up this design differs in no way from that described before for designs of a similar nature. In arranging the leaves it should be our aim to place them in a natural position as nearly as possible and at the same time preserve the outlines of the cross, which is an easy matter in a piece of this size.

Various combinations of flowers with the galax leaves can be made with good effect. A garland of white roses interspersed with valley starting at the base with one turn around the body of the cross, with the tip just reaching over the left arm, is shown in the first view of the cross, the base being arranged loosely with a clump of about a dozen *Harrisii* at the left hand side interspersed with *marguerites* and *Bride roses* in the front, with wood ferns and a few sprays of southern smilax for green. If the roses have sufficiently strong stems these can be pushed right into the moss. Weak-stemmed flowers, however, are best supported by a wire, as these are apt to droop too quickly otherwise. The *Harrisii* should by all means be firmly imbedded in the sphagnum; if these are placed where they but barely touch the moss they will flag in a very short time.

It is our object to show such an arrangement as the above in its simplest and least expensive form. The cost price, figuring average Easter prices, would be about \$15, as follows: 1000 galax of medium size, say \$2.50; 75 *Brides*, at 8, \$6; 12 *Harrisii*, at 15, \$1.80; 50 *marguerites*, at 1, 50 cents; 50 valley at 4, \$2; green, etc., 50 cents; frame, \$2.

The second illustration shows the same cross with a different arrangement of flowers, in which callas form the main part, between which are placed about a dozen purple Dutch hyacinths. In order

to keep the callas and hyacinths from flagging take a rather heavy wire, say No. 14 or 16, and push it up through the stem to the top of the flowers and then imbed them firmly in the moss. As to cost, a piece like this could be made up for \$9 to \$10. Cost of material: 1000 galax, \$2.50; 25 callas, at 12 cents, \$3; daisies, 50 cents; one dozen hyacinths, \$1.20; green, 50 cents; wire design, \$2.

Some Factors Influencing the Health of Plants Under Glass.

BY PROF. B. T. GALLOWAY.

[Delivered before the New York Florists' Club Monday evening, April 8.]

It needs little argument to prove that every plant in nature is constantly subject to change. There is no such thing as fixity, every living organism being in a measure a plastic object, subject to modification and eradication of its parts, or to total annihilation by the laws which govern the universe. If this is true of plants in nature it is even more true where they have been removed from this condition by the hand of man, and to serve his wants and needs have been made to develop not only out of season, but to produce one part at the expense of another. We see, therefore, that there must be a constant struggle for existence, and while in nature equilibrium is maintained by natural combinations of laws the gardener sets aside these combinations, for most of the plants he grows would soon cease to exist if his watchful care was removed even for the shortest time.

The gardener, however, is not satisfied with perpetuating the monstrosities which nature has placed within his hand, but acknowledging no limits to his power he causes these waifs of the plant world to grow, bloom and bear fruit or foliage at a time when the greatest forces of nature, viz., the sun's heat and light, are at their lowest ebb. The gardener, therefore, or to use the more specific and appropriate term for the present occasion, the florist, has a most difficult field of labor, for he must of necessity be the very closest observer of the workings of nature and nature's laws. His success depends upon this, for the more closely he observes and applies intelligently the knowledge thus gained the more likely he will be to keep his plants in full vigor and health.

This brings us now to a consideration of the question of health. What is health? Or, to put the matter in another way, what constitutes disease? Strictly speaking, an organism is diseased whenever any of its vital functions are deranged. If it can no longer propagate itself either by seeds or in other ways it is functionally wrong, therefore diseased. If we accept this definition it will be seen that a large majority of plants which the florist cultivates are in a state of ill health. It is hardly necessary to accept so broad a definition. For our purpose we may adopt a more restrictive one, by saying that a disease is any derangement of the functions of a plant which may result in death or injury as a whole, or death or injury of any of the parts designed by the grower for pleasure or profit, or for both. With these facts clearly before us we may now pass to a consideration of some of the factors influencing the health of plants when grown in greenhouses.

A plant may be likened to a complicated yet delicately adjusted steam engine. To obtain the desired amount of work from such a machine, fuel, water, oil, and other materials are necessary. If all of these materials are properly furnished and there is nothing wrong with the mechanism of the machine, all parts of the latter when



CROSS OF GALAX LEAVES. NO 1.
ARRANGEMENT OF FLOWERS.

started will work in harmony. If, however, fuel, water, or other materials are neglected, or if a nut, key, or valve has not been properly adjusted, the engine may be stopped entirely, or be so crippled that it can only partially perform its work. So it is with the plant, excepting we have here an infinitely more complicated mechanism, and an adjustment so delicate that the slightest change may affect it. In the plant, however, as with the engine, certain things are necessary to insure the proper amount of work. Food, light, heat, air and water must be furnished, and to do this in such a way as to insure the largest yields with the least expenditure constitutes, with the plants we have under discussion, the art of floriculture.

It follows from what has been said that the principal factors influencing the health of plants under glass are food, light, heat, air and water. The question of food is intimately associated with that of the soil, so that in reality the latter should be considered rather than the former. Improper conditions of soil, light and heat, and injudicious use of air and water, singly or combined, bring on changes which according to the definition already given may be characterized as disease. Then aside from these, yet intimately associated with them, we have the attacks of fungi and insects. Fungi and insects, however, considered independently, should in many cases be looked upon as secondary factors, and this is a point I think that should be kept in mind by

those who are studying them. It is too often the practice to lose sight of everything but the fungus or insect, forgetting that changes have also taken place in the plant attacked, changes which if studied and understood might have led to a much better understanding of the difficulty. In other words, there is in almost all cases of attacks by organisms such as we have under consideration an intimate relation between the plant attacked and the organism attacking it. To illustrate, lettuce when grown under glass is frequently attacked by a fungus, which starting on the edges of the central leaves soon extends to the center of the plant, causing a wet, slimy rot, very offensive and very destructive. Now, looking at the matter from the standpoint of the fungus alone, it might be concluded that it is the prime factor to consider, as it is always present and associated with the trouble. Its life history, without relation to anything else, would therefore be studied, and in view of the facts brought out possibly burning sulphur or dusting the plants with some fungicide might be recommended. When we come, however, to look beyond the fungus itself, in other words to the real condition of the host plant, we find the true explanation of the trouble. The lettuce plant or host, in brief, has had certain of its functions disturbed by peculiar conditions of the soil. The roots in certain soils are not able to act promptly at times when there is a pressing need that they should act, as for example, on a bright day following a spell of cloudy weather. The tissues of the leaves at such times are soft, and when the sun appears they lose large quantities of water. If the roots are not able to supply water rapidly enough the edges of the leaves first wilt and soon many of the cells may be killed, and others badly injured. These injuries may not be apparent except by very close observation. The fungus which is always present in a greenhouse finds here conditions just suited to its growth, consequently we soon find it luxuriantly growing on the parts that were injured. In a few days, especially if the weather conditions be favorable for its growth and unfavorable for the best development of the host, the fungus will gain sufficient strength to pass from the injured parts to actual healthy tissue. A few more days and we may have the whole center of the head a rotten mass, and millions of reproductive bodies being formed for further destructive work. The seat of the trouble, as will be seen from the foregoing, was in the soil, and if this had been understood the injurious effects might in all probability have been avoided. That the fungus alone, without consideration of other factors, could not cause the trouble, is shown by the fact that it can not be made to grow upon a perfectly healthy lettuce leaf. I have dwelt upon this matter at some length to emphasize the fact that no disease can be fully explained without considering numerous factors, their relations to the plant attacked, to the fungus or other organism, if such is involved, and finally to each other.

With these introductory remarks I will now pass to a somewhat more specific consideration of the subject, and with the aid of the stereopticon endeavor to make more clear some of the points already discussed.

From this point the speaker illustrated his remarks with the aid of the stereopticon and specially prepared slides. Attention was called first to soils in their relation to the growth of plants. The importance of a better understanding of this subject could hardly be overestimated. The soil in reality is the basis for all work the florist performs, and upon an intelligent understanding of its nature

depends more or less the elements of success or failure in growing crops. Every florist is aware that certain crops may be more successfully grown in one locality than in another. This is not because the general meteorological conditions are different in the respective localities, but because there are differences in the character of the soils. The actual food in the soil does not seem to play a very important part in the matter. Chemists could not by an analysis of the soil and plant throw any special light on the great differences shown by the growth of the same plant in soils containing to all intents and purposes the same amount of food. Those who work with soils are aware that the texture, or, in other words, the way a soil feels or behaves when turned up with the spade or plow, has a very important relation to its value for growing certain kinds of crops. Such questions bear upon the physical properties of soils, that is, their structure, capacity for air, heat, water, etc. There is an intimate relation between the growth of plants and the various properties mentioned, and a study of these relations throws much light on many practical questions.

With the aid of the lantern it was shown how the structure of a soil was determined. Soils as a rule consist of certain amounts of gravel, coarse and fine sand, silt, clay, etc., and these amounts could be determined by a mechanical analysis. In making such analyses the soil for convenience is separated into eight parts, each of which has received a certain conventional name. Thus there is fine gravel, coarse sand, medium sand, fine sand, very fine sand, silt, fine silt and clay. The separation into the parts named depends on the size of the grains of each. In fine gravel, for example, the grains are one to two millimeters in diameter, a millimeter being practically one twenty-fifth of an inch. Coarse sand is smaller, and so on with each part until clay is reached; this has the smallest grains of all, their size varying from .005 to .0001 of a millimeter in diameter. Now upon the amounts of these various materials will depend the texture of the soil, and the texture has a marked effect upon the capacity of the soil for air, water and heat. It follows, therefore, that there is an important relation between the texture or structure of a soil and the growth of the plant.

Mechanical analyses of several soils were then given and their capacity for moisture graphically illustrated. In one case where exactly the same amount of water was added to two plats of soil of different structure there was constantly at the disposal of the plant 15 per cent of water in one plat and 26 per cent in the other. From facts of this kind and others of a similar nature it was shown that by varying the structure of a soil many plants could be made to change their development materially. The color, size, and relative production of leaves, flowers, and fruit could be modified.

The relation of the physical properties of soils to diseases was then pointed out. It was shown how a soil of a certain structure would contain water, heat and air in a way that would bring about a growth of leaves or other parts peculiarly liable to the attacks of both insects and fungi. Of course the soil alone is not always the prime factor in troubles of this kind. Light and heat are also important matters. A consideration of light and heat involved the whole question of greenhouse construction, which in itself is a very exhaustive subject. It has come to be generally recognized that a certain style of house is best adapted to certain crops. There is still, however, a great deal to learn upon this subject. Florists, as a rule, had been somewhat backward about adopting new ideas in regard to greenhouse construction. Violet growers, for example, still cling to antiquated structures, wholly unsuited to the best development of the crop. Numerous houses were shown and the defects in their construction pointed out. The great improvement in the construction of houses for certain crops is largely due to the exchange of ideas brought about by co-operation and stimulation in society work. There is much yet to be accomplished, and the societies might do a great deal toward stimulating effort in improvement.

The speaker then entered upon a discussion of some of the diseases and insect pests affecting plants under glass. Diseases might primarily be due to the attacks of fungi or insects, or they might, as already pointed out, be largely brought about by improper conditions of soil, light, heat and other factors. The fact should always be borne in mind, however, that no disease can be intelligently explained by a consideration of one factor. The relation between the plant and the fungus attacking it was then fully explained. It was shown how by hygienic treatment many of the troublesome diseases of greenhouse plants might be largely prevented. In this connection a discussion of the diseases of the violet was entered upon in detail. For years Marie Louise had been grown and propagated with no other object in view than that of obtaining the greatest number of flowers at a time when they would bring the most money. Little or no attempt had been made to keep up the vigor of the stock. Weak plants, strong plants, free and shy bloomers, had all been propagated alike, and in consequence there had been a certain amount of deterioration. Add to this the methods that some growers follow and there is no wonder the plants go off with spot.

The speaker then proceeded to describe several diseases which cause more or less trouble to violet growers. The first, which is generally referred to as "the disease," might properly be designated as white spot. White spot is widespread and fre-

quently very destructive. It causes the greatest injury to plants a short time before they are ready to be moved into the house, viz., toward the latter part of August and early part of September. Hot, scorching days, followed by heavy dews at night, are almost certain to bring on the trouble, unless the plants are in the very best growing condition. White spot also attacks plants under glass, taking off the leaves about as fast as they push out. The disease is due to a fungus, possibly in some cases to two fungi working together. The fungus is exceedingly common. It will grow readily upon any decaying material, and its spores or reproductive bodies are found in great abundance in greenhouses, and in fact wherever the plants are growing. Certain conditions favor the growth of the fungus, and it was pointed out that these same conditions often work to the detriment of the host plant. Thus, during the latter part of August and early part of September, when the plants are making rapid growth, there comes one or two days of muggy weather; frequent light showers during the day, with possibly fog or heavy dew at night; the air at such times is practically saturated, the light is weak, and as a result certain functions of the plant are disturbed. In consequence the tissues become softened, the cells composing them being gorged with water and weakened by other materials which have been accumulated during the enforced inactivity. All this time the fungus has had just the conditions needed for its rapid development, plenty of moisture in the air and an abundance of small drops on the leaves. The growth of the fungus, therefore, is rapid and the leaves in consequence are infested at many points. Once within the tissues the fungus has to a certain extent the power of growing regardless of the condition to which the host is subjected. Its development, however, is comparatively slow, and it may be eight or ten days later, during another spell of damp weather, that the spots suddenly manifest themselves. In this way the plant is constantly being infested, and it will be seen that the more it is subjected to the conditions mentioned the fewer chances it has of evading the fungus.

These matters were all made clear with the lantern, the characteristic spotting, the fungus, and other points being illustrated. Other diseases of the violet were also discussed, the more important ones being a wet rot of the lower and inside leaves, which, owing to their position, are not reached by the sunlight; brown spot of the leaves, a fungous malady characterized by large brown irregular-shaped spots or blotches, which soon become soft in the presence of moisture; fading out and dying of the edges of the leaves due sometimes to the attacks of nematode worms at the roots, but more frequently to improper soil conditions; wart disease of the foliage, a trouble due wholly to improper conditions of soil, moisture, and light. The wart disease manifests itself by peculiar excrescences, which appear on the leaves and also on the leaf stalks and flower stalks. The speaker stated that he had produced the disease on nearly a thousand plants the past summer by mauling heavily with sphagnum and then shading with a closely made lath screen, which was raised about 4 feet above the bed. The plants made a fine growth under these conditions, but the light being feeble, the soil rich and full of moisture, the tissues or, to speak more properly, the living principle of the tissues, i. e., the protoplasm, probably developed an abnormal avidity for water, especially at certain points. The ultimate result of this was a rapid growth both in the number and size of the cells at the points mentioned. The trouble was not limited to any particular tissue, but was liable to start anywhere, even at the center of the leaf, and work outward. Cracking the leaf and even the punctures of aphids and red spider would start it.

The speaker exhibited magnified drawings of healthy and diseased leaves, explaining how the trouble started, how by the growth of the cells the pressure on the epidermis became so great that the latter was pushed up, then ruptured, the exposed cells dying and turning brown. The remedy is simple, namely, not to overfeed nor overwater, and so manage light and air as to keep the plants in healthy, but not excessive growth. It was pointed out that when plants take on a deep green color, when their leaves stand up stiff, and finally when you can hear the foliage crack when the hand is passed over it, the growth is too rapid and something should be done to check it. Water might be held off and possibly more light and air given.

Summing up the requisites for successful violet growing, the speaker said:

(1) Grow plants in solid beds where they are to stand.

(2) Build even span houses, three together, on the ridge and furrow plan, each house to be 12 feet wide inside, 7 feet to the ridge, and 18 inches at the side. Run houses north and south, and provide 18 inches of continuous ventilation on the west side of each house, ventilators to be hinged at the bottom. Provide also continuous ventilators on the two exposed sides so as to get a rapid and continuous circulation of air, ventilators in this case to be hinged at the top and to open outward. Make the roof permanent, using 1 1/2 x 2 1/2 inch sash bars with drip groove and no rafters whatever. Glass 12x12, second quality double thick; if less than 10,000 feet of glass use hot water for heating; if more, and in the latitude of New York and northward, use steam. In either case use only wrought iron pipe, running one supply under each ridge and a sufficient number of returns on each side to maintain a temperature of

40° inside with an outside temperature of zero.

(3) Keep the night temperature as near 40° as possible, and on bright days give plenty of air and keep the temperature down to 60 or 65.

(4) Never water unless it is certain that the leaves will dry before night.

(5) Never keep a plant more than one year.

(6) Propagate in spring, using runners rooted in sand whenever possible. Never under any circumstances propagate from a sick plant, nor one that has undesirable characteristics, as for example throwing "bull head" flowers, flowers with short stalks, or no flowers at all.

(7) Clean the plants often, never allowing yellow and spotted leaves to accumulate. Make it a cast-iron rule that every leaf and bud flower picked off is to be immediately burned. The man who allows the rubbish from the plants to be tramped into the mud in his walks and to accumulate behind every board is the first one to get the spot, and he ought to have it.

(8) Put on 4 or 5 inches of fresh soil every year, soil to consist of two-thirds good rotted soils and one-third rotten manure. Before putting on the new soil work over the beds thoroughly, turning to the bottom the soil on top. A change of soil gives a vigor to the plant that can be obtained in no other way, and is practically the only safeguard against root galls produced by nematode worms.

(9) For spider apply nothing but water, using it freely and forcibly. Get a nozzle throwing a thin, narrow, fan-shaped stream, and put on enough pressure with a force pump to lay the whole plant over. Eighty or one hundred pounds pressure would not injure the plants, but it would knock the spiders silly.

(10) For greenfly fumigate with tobacco, but do it cautiously. Never wait until the insects appear in numbers, as the smoke required to kill them will injure the plants and flowers.

The speaker said that it was not possible to go into details in regard to other diseases, and he wished therefore to close this phase of the subject by a brief reference to the *Harrisii* lily trouble. All present doubtless are only too familiar with the disease in question. As yet the investigations of the subject have hardly been commenced, therefore it was not possible to make any definite statements. It must be borne in mind that matters of this kind could not be settled in a day nor a week nor a month. It would be just as reasonable to expect a man to learn how to grow roses, carnations or violets successfully in a day, a month or a year. There are some troubles whose causes are so obvious that no particular effort is required to get rid of them; for example, caterpillars might attack pigonette, as they often do; they simply eat the plants, are in plain sight, and might be considered in the same light as a pig or a cow, or any other animal that is bent on satisfying its appetite at the expense of the grower. The remedy in both cases is obvious—get rid of the animal as soon as possible without injuring the plants any more than can be helped. For the caterpillar Paris green would doubtless be used, for the pig or cow a club. However, in many diseases matters were much more complicated. The plant was sick in the true sense of the word, and the only way to determine what ailed it was to look into all phases of its growth. This requires time, practical skill in growing plants, and the ability to apply scientific knowledge and reasoning to the facts developed. The summarized facts in regard to violet culture were given in five minutes, yet it had taken year's actual work in growing the plants to be able to make such statements.

The *Harrisii* lily disease seems to be one in which a number of factors are involved. The speaker was of the opinion that the trouble is primarily due partly to the way the bulbs are grown in Bermuda, and partly to the way they are treated after they reach here. For years the demand for early delivery has been stimulating the growers to harvest the bulbs before they are ripe. This practice must eventually tell on the vigor of the plant, for an unripe bulb is like an unripe shoot, unfit to stand the strain put upon it in performing even the normal processes of life. Add to this the practice many florists have of potting in heavy, poorly drained soil, crowding the pots together on a bench where the air can scarcely circulate and good drainage is out of the question, and it is no wonder that the net over-strong vigor of the plant gives way. All this, however, is offered merely as a suggestion, a working theory, which future investigation must prove or disprove. The conclusion the speaker called attention more specifically to some of the most troublesome insect-attacking plants under glass. Greenfly and red spider, the latter, not, strictly speaking, an insect, were the most serious pests to consider. Fortunately, however, simple and effective remedies were at hand. Tobacco for the fly and water for the spider. The speaker described a method of combatting spider on low-growing plants like violets. A good strong double-acting force pump was used. This was provided with about 50 feet of light extra strong discharge hose, about the size of the little finger. Hose of this kind could be pulled over the plants without injuring them and the water could be applied from all sides. The pump itself, which may be attached directly to the watering hose, was light and therefore could be moved readily. A nozzle with a lever, which could by moving change a solid stream to a fan-shaped powerful spray, was used. The spray could be thrown 15 feet and at that distance would turn the leaves over and wash their under sides thoroughly.



CROSS OF GALAX LEAVES. NO. 2.
ARRANGEMENT OF FLOWERS.

Winter Flowers.

My life experience in the garden has ever and always impressed me with the fact that a choice, select and varied collection of *flowering* plants is not only the most perpetually pleasing, but the only feature of even the most pretentious institutions which all classes of visitors enthusiastically enjoy. Those Kew men who have recently written in your journal will understand this when I remind them of the No. 4 conservatory. This is a show house, a greenhouse. It is not a very large one as houses go at Kew. It was my house 32 years ago, and I was never

quite so happy in my life, and never saw so many happy people in the same space of time. The palm house is more written about and figured about out here in America because it is big, but I can say, after the experience in both, that the show house made ten people beam with happiness where the palm house astonished one. It is flowers—a variety of them, and plenty of them, all the time, that people want, no matter what the fashion of the passing hour is or may be.

Perhaps it may be useful to state how this finest of show houses is maintained. There is nothing wonderful about it. It

is successful because the means are exactly adapted to the end. The central beds are filled with a miscellaneous collection of large plants, some of which remain in their positions all the year, and a portion go outside to make their growths. The benches are kept gay all the year through, but in England they are especially gay in spring. Every Saturday morning the plants which are past their best are set down and counted, the number given to the soft wood department, fresh plants brought in, and the exhausted ones taken away. After proper arrangement all is made spick and span for Sunday. So it goes year in and year out, and there are but few who visit the gardens knowing of that house but take it in. Thousands do so over and over and over again, and it is queer if they don't find plenty to pay them for their trouble.

It did not seem to me, however, that any premeditated effort was made to grow hard wood plants for furnishing purposes, but mainly the soft wood. It is a little easier there as well as here. But the variety of hard wood plants was very extensive, and there was a continual succession of them. The show stove was managed on somewhat similar lines, but it never seemed so popular. Now these things can be done with more facility here than in England, for our summer climate is quicker to develop growth. The mistake that seems to be made is trying to keep an immense barn of a horticultural building gay with an utterly inadequate set of growing houses to supply it. The passion for bigness in conservatories has mortified many a gardener, and forced him to run to greenery and despair. There are cases in the country where the houses are in capital proportion, and yet mediocre enough in results. I suppose they are run by politicians. Anyway, florists don't need to do as they do. Ever so small a house, a window even if you will (like Baldwin's of Philadelphia) you can keep attractive, and it is generally worth while for you if you live where many people travel.

The following lists were made up many years ago. I have never been able to get but a small percentage of them together here. I have seen but a few of them flower in the country, although I have sometimes seen the plants. In our climate it is possible that very many of the following plants would flower earlier than March, and very occasionally later.

A large number of Australian and Cape plants do extremely well planted out here, and the Botanical Gardens ought to be able to give definite information as to the behavior of the greater number of them. Some species are far from florists' flowers, but they are such as ought to be tried in the public conservatories, which are becoming more and more plentiful.

TROPICAL PLANTS.

Æchynanthus Paxtonii, *Æ. purpurascens*.

Æchmea species.

Alpinia Malaccensis, *A. nutans*.

Amomum dealbatum, *A. subulatum*, *A. sylvestre*.

Aristolochia species.

Asystasia bella.

Barbacenia gracilis, *B. squamata*.

Bauhinia species.

Beaumontia grandiflora.

Begonia longipes (syn. *Washingtoniana*) and many others.

Bignonia gracilis, *B. Telfairea*.

Bilbergia species.

Brillantasia owariensis.

Brucea ferruginea.

Brunfelsia angusta, *B. hydrangæ-*

formis, *B. latifolia*, *B. Lochartii*, *B. Pohl-iana*, *B. Hopeana*, etc.

Bougainvilleas.
Buddleia crispa, *B. braziliensis*, *B. salicifolia*.

Bunchosia glandulifera.
Casselia integrifolia.
Clerodendron glandulosum.

Combretum formosum, *C. paniculatum*, *C. purpureum*.

Cyclista albiflora.
Dicliptera resupinata.
Dombeya species.

Dracæna species.
Eranthemum montanum, *E. pulchellum*, *E. strictum*, etc.

Flacourtia sepiaria.
Feronia elephantum.
Galphimia glandulosa, *G. citriodora*.

Gilbertia palenata.
Gloxinia maculata.
Griffinia intermedia, *G. Blumenavia*, *G. ornata*.

Hedera digitata.
Heinsia jasminiflora.
Heeria roseum and *album*.

Hoya, several species.
Hymenocallis Knightii.

Impatiens Hookerii, *I. Hawkerii*, *I. Jerdonia*, etc.

Inga species.
Jacobinia speciosa.
Jacaranda mimosæfolia.

Mæsa nemoralis.
Manettia species.
Medinilla species.

MacPhersonia species.
Myginda latifolia.
Palicourea gardenioides.

Parkia uniglobosa.
Plumbago species.
Prepusa Hookeriana.

Randia Bowieana.
Rondeletia species.
Rudgea macrocephala.

Ruellia calvescens, *R. Purdeiana*, etc.
Rhynchospora Schwartziana.
Strelitzia species.

Strobilanthes sabinianus, *S. sessilis*, etc.

Tabernæmontana discolor.
Thunbergia erecta, *T. Vogeliana*, etc.

Talauma Candolleii.
Tetracera obovata.
Tetrazygia tetrandra.

Tibouchina macrantha.
Wrightia species.

GREENHOUSE PLANTS.

Acacia species.
Adenandra species.
Acocanthera spectabilis.

Agapanthus umbellatus vars.
Alophia cœrulea, *A. Drummondii*.
Aloe succotrina, etc.

Aotus lanigera.
Arbutus species.
Arum species.

Athrixia capensis.
Bahiana species and varieties.
Brachysema hybrida, *B. undulosum*, *B. villosum*.

Barosma crenulata.
Boronia species.
Callistemon species.

Campylanthus salsoides.
Calceolaria species and varieties.
Cantua pyrifolia.

Cestrum alaternoides, *C. corymbosus*, *C. evaneus*, *C. fasciculatus*.
Chorizema angustifolia, *C. Lowii*, *C. scandens*, etc.

Cineraria species and varieties.
Cluytia pubescens.
Cordyline species.

Coleonema tenuifolia.
Crassula coccinea, etc.
Conanthera bifolia.

Cuphea species.

Cyanella cœrulea, etc.
Cytisus species.
Daviesia angulata.

Daphne species.
Darwinia tulipifera.
Diosma species.

Diplolæna Dampierii.
Entelea pubescens.
Ericas, about 40 spring blooming species.

Epacris, about 20 spring bloomers.
Eriocephalus racemosus.
Eriostemon densifolia, *E. intermedia*.

Gastrolobium acutum.
Gladiolus species.
Gompholobium versicolor.

Grevillea acuminata.
Greyia Sutherlandii.
Hardenbergia monophylla.

Hæmanthus species.
Hemigenia purpurea.
Hermanuia species.

Hovea species.
Holbœlia latifolia.
Hymenocallis Skinnerii.

Iris species and varieties.
Ixia species and varieties.
Isopogon Baxtrii, *I. sphaerocephala*.

Jacksonia horrida.
Jasminum species.
Kennedyia species.

Labichæa bipunctata, *L. lanceolata*.
Lantana varieties.
Leucadendron species.

Libertia grandiflora.
Lilium species.
Liparia vestita.

Litsia apetalâ.
Lysinema pungens, *L. rubra*.
Malva amœna, *M. capensis*.

Macrostylis barbigerâ.
Magnolia fuscata, etc.
Marianthus cœruleus.

Mesembryanthemum species.
Mirbelia floribunda.
Myosotis species.

Onoseus montana.
Olearia oculata.
Ornithogalum species.

Ormosia inodora.
Othonna species.
Oxalis species.

Oxylobium species.
Pelargonium species and varieties.
Pittosporum, 6 species.

Polygala species.
Pomaderris lanigera, *P. viride-supra*, *P. Wendlandiana*.

Protea neriifolia, *P. acerosa*, *P. cordifolia*, *P. obtusa*, *P. longiflora*.
Pultœnia species.

Rhododendron species and varieties.
Ribes species.
Rochea falcata, *R. cymosa*, *R. jasminea*.

Scilla species.
Scottea angustifolia.
Semerandra grandiflora.

Siphocampylos bicolor.
Sparaxis bicolor, etc.
Spatalla pedunculata.

Stenomesson Hartweggii, *S. latifolia*, *S. coccinea*, etc.

Struthiola ovata.
Synnotia bicolor.
Tecoma meonanthera, etc.

Tecophilæa species.
Templetonia glauca.
Tetradlea ericoides, etc.

Tritonia crispa, etc.
Tropæolum species.
Turpinia arguta.

Veltheimia species.
Veronica species.
Urceolina Sulivantii.

It is doubtful if any month of the year can be so enjoyable in an American conservatory as March, for the large number of forced and other flowers ordinarily grown by florists are in perfection of del-

icacy and fragrance. Roses, hyacinths, lily of the valley, violets, narcissus, and a score more lend their delicious odors and herald the approaching spring.

Trenton, N. J. JAMES MACPHERSON.

In Flatbush.

There is one goat less in Flatbush. As everybody knows, the Flatbush florist is generous and companionable. More than that, he is long-suffering. The former virtue was born in him; the latter has been acquired; acquired through constant familiarity with the inroads of the bands of predatory goats, ducks and geese that patrol the town, and his only protest is an occasional stone or lump of coal shied with that unerring aim which comes through continual practice. But there is a limit to even Flatbush forbearance, and one day recently when Gus Bergmann saw one of the long bearded quadrupeds taking a leisurely walk along the ridge-pole of his lily house his patience gave out; he just reached for the shot gun and there was one goat less in Flatbush.

But Mr. Bergmann is not only a good marksman, he is also an intelligent and skillful grower. His cyclamens have long been famous, and his success with these and other flowering pot plants has prompted him to discontinue growing for the cut flower market and in the future devote the entire establishment to pot plants. The method of growing cyclamens in frames during summer he proposes to abandon as unsatisfactory, and will erect two new greenhouses especially for cyclamens, for which a sufficient number of sturdy little plants from last fall's sowing are now ready in 2½-inch pots. Another specialty with Mr. Bergmann is *Begonia Vernon*, which he pronounces the very best variety in cultivation for bedding and general purposes. Last summer this *Begonia* withstood the drouth when everything else was dried up. The best plants are raised from seed. The seed requires careful handling, as it is very fine and starts slowly. Mr. Bergmann's plan is to sow it on the surface of fine leaf mould and then cover with a sheet of glass. Plants from seed sown last December and January are now blooming in 5-inch pots, and will be just right for spring sales. If extra large plants are wanted for Easter the seed should be sown early in the fall.

Another plant which is raised here largely for spring trade is the yellow flowered shrubby *calceolaria* locally known as *Shower of Gold*, a variety of *Calceolaria rugosa*, which when well grown sells splendidly, and although not easy to grow pays better, Mr. Bergmann claims, than geraniums. Few growers care to give the time and attention required to raise *ardisias* from seed, for they germinate slowly, and their growth is small the first year. Plants one year from seed are now only in 2-inch pots, and although a few berries are borne on the two year plants yet it takes until the third year before they are nice salable plants well furnished with berries. Mr. Bergmann prefers, however, to raise his own *ardisias* rather than take the risk of importing plants already grown, which almost invariably sustain more or less damage in transportation. Pansies have done very poorly with most of the Flatbush growers this season and many have died out in the frames.

Mr. Gus Messeberg Sr. has been seriously ill for several weeks, and much anxiety is felt regarding the outcome of his sickness. Gus Jr. has the houses well in hand, however, and they look as good



CHRYSANTHEMUM FRED. WALZ.

as usual, which is saying considerable, for this place is well known as one of the neatest and best kept commercial plant establishments in the country. Geraniums and fancy pelargoniums are grown here to perfection, and the houses are already bright with bloom. The varieties of geraniums raised in quantity as the best for this market are La Favorite, Mrs. Wm. Pfitzer, Beaute de Poitevine, Bonnot, Double Gen. Grant, Summit of Perfection, Ruy Blas and Bishop Wood. The double pink ivy leaved Souv. de Chas. Turner is grown here in quantity. There is no danger of having too large a stock of this, the loveliest of all the ivy leaved section. Regarding azaleas, Mr. Messeberg notes that the demand for bright red colors exceeded the supply last year, but that after having provided against a repetition of this condition the present season he finds that the popular fancyleans strongly to pink. There is every prospect of a great run on azaleas, the small sizes particularly. Carnation Puritan is here, as in several other Flatbush establishments, in splendid bearing at present. If such a crop and such flowers could only be obtained in midwinter from this variety there would be little room for new white sorts. Mr. Messeberg still hangs on to the Bennett rose, of which he has a long bench in vigorous growth.

At Dail'edouze Bros.' the carnations are naturally the leading attraction. McGowan, Tidal Wave, Daybreak, Scott, Bouton d'Or and Emily Pierson are all in the most flourishing condition, and Lonsdale's pride, Helen Keller, is grand beyond description. Jacqueminot is tall and luxuriant, but the flowers are mere

pygmies; this is also true of Annie Pixley, which is good enough as to color and stem, but falls far short in the matter of size. Mr. Dailedouze regards Emily Pierson as the most valuable scarlet for late crop, and says that it brings double the price of Portia in the New York market at this season of the year. There are several seedlings under trial, all with phenomenal stem development. Molatsch's new salmon which Dailedouze Bros. exhibited at Boston, has been named Fred Weir, and plants are to be sent for trial in different sections of the country before placing it on the market. The famous Dailedouze mignonette begins to show the effect of warm weather. All through the houses are seen the towering spikes that have been selected to supply seed for next year. This stock was started eight years ago with one plant, and has been carefully worked up ever since, each year showing a slight gain. It entails much care and attention, as this variety will not fertilize itself. Sweet peas, although six feet high, are only beginning to bloom. Bermuda lilies with two and three stalks to the bulb, and in many cases thirty or more flowers to the bulb, are among the main attractions just now at this establishment.

At George Bennett's two plantings of sweet peas, one lot sowed in September and the other in November, are just beginning to show flower, and those last planted are fully as far advanced as the others. Daybreak, Puritan and Portia carnations are in the ascendancy here. Grace Wilder, which has long been a leader, is to be discarded after the present season.

Louis Schmutz is not in love with Easter trade. He likes steady trade best, and the twenty cemeteries within easy access are counted on to furnish him with all of the latter that he can take care of. To the same end he grows about everything that can be asked for; to use his own words he has "a regular botanic garden." The zoological department is represented by a pair of trick bantams that have the run of the houses and will come to him when called—if they feel like it. Marechal Niels and camellias are among the curiosities found here, and next comes Mr. Schmutz's cutting bench, which is nothing more nor less than the surface of the rose bed. The roses don't appear to mind it in the least, and Louis dilates upon its many advantages with emphatic gestures and unanswerable argument. Verbenas he raises entirely from seed. To the suggestion that seedlings do not bloom so early as cuttings he replies that all that is necessary to secure early blooming is to keep the plants dry. July is his favorite month for chrysanthemum cuttings. He does not fool with manure water, but just plants them in manure to start with and gets fat plants with foliage clear down to the pots. All in all Louis is a genius; he does things in his own way and "gets there all the same." Moreover he is one florist in a thousand, inasmuch as he does not propose to build any more houses.

Chrysanthemum Fred Walz.

This new pink chrysanthemum has met with considerable favor and was awarded a certificate of merit by the Chrysanthemum Society of America. We commend the originator, Mr. Theo. Bock of Hamilton, O., in sending a photograph of a plant rather than of a single bloom.

Aspidistra Lurida and Amomum.

If you have to furnish plants for decorations there is generally a lack of short bushy plants to cover or screen the front row of pots in a group. There is nothing better adopted for this purpose than a good lot of medium sized aspidistras, both green and the variegated. All sorts of plants we have tried, but most all were spoiled in a short time, while our aspidistras have lasted several years, and are to-day in as good condition as ever. We manage to destroy a good many palms and other decorative plants in the course of a winter by using them in decorations, but we never lost an aspidistra. If you have them once they will last a life time. Certainly it takes some years to get up a stock of them sufficiently strong and large enough to use, but they can be bought at about 50 cents to \$1 for just such plants as you want for such decorations, and they will be worth the same money after a winter's use. They will stand more abuse, as to handling and watering, than any other plant I know of, and a freezing will not hurt them in the least. In winter, when room on benches is too valuable, we set them under the benches, and there they remain until June 1, when they are looked over, repotted and divided a little, if too large, and then placed in a warm shaded house, such as you would use for growing palms, to get them to throw out new leaves. While in this house plenty of moisture overhead and at the roots is supplied at all times, so as to encourage the young leaves to come long and broad, in fact too much heat can not be given as long as the glass is well shaded to prevent scorching, and enough moisture in the air is kept up. Toward September they are gradually

hardened off, and then they are ready to go out and fill their places in decorations of large or small dimensions, and on their return are set under the bench again, or at times are stored away under the counters or in the cellar of our store in the city, and do not come home for months. We formerly kept the plants on benches all the year around, especially the younger plants, which we expected to grow on, but nothing was gained thereby, for we did not keep up heat enough in any of our houses to keep them in a growing condition, and we found out that the summer months, without any fire heat, was the cheapest and best time to grow them on, and a place under the bench, or in a frost proof pit or even cellar, or a shed will afford them ample protection. Plants in 5 and 6-inch pots are most convenient.

If smaller plants are required we found the dwarf *Amomum Cardamomum* to be a tough and hardy plant for the purpose, also to break the monotony in the group. This may be grown in much smaller pots, little tubers or offsets of them started in spring in small pots will fill a 4 or 5-inch pot densely by fall, and will usually last all winter in good condition. This plant rarely grows any higher than 12 to 15 inches, has highly scented leaves shaped like a miniature canna, and is very tough and hard. Unlike the cannas, the old stems and leaves will remain green and healthy for two or three years, and will produce new ones all the year around. Any ordinary greenhouse temperature will suit them, and a place under the shade of large palms, or between the pots of any other larger plants that require to be set apart, is good enough for their welfare. Both of the above plants are, with us, good plants to sell for house or parlor decoration, and it will not hurt them if placed in a room entirely away from the light, which treatment few things will submit to. J. B. KELLER.

Rochester, N. Y.

Smilax Once Again.

The following comes from a reader in Michigan: "Please give directions for cultivation of smilax. What is the cause of its turning white or blighting, and the remedy?" In 25 years' experience I have never seen it turn white "or blight." The only enemy I have ever seen it troubled with was red spider, and that is only caused by a wilful neglect of syringing. The story of how to grow profitable smilax has been told in your columns more than once. Strong young plants from 3-inch pots should be planted end of June or as early as possible in July. A rather heavy loam is much better than a sandy soil, and one-third of rotten cow manure will suit it well. It will make good strings on a bench in 5 or 6 inches of soil, but a solid bed of one foot of soil is much better. A light house is not essential, but a good warm temperature is; 60° to 65° at night is the least it should have if four crops are expected in the year, and that is what can be done readily if planted in time. Syringe frequently; when growing strongly give plenty of water. When the crop is cut water very sparingly until young growth starts. After the holiday crop is cut mulch the bed with one inch of manure and soil mixed half and half; that will feed the surface roots. That's all, with a sprinkling of common sense through it all.

W. SCOTT.

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Carnation Notes.

Friend Dillon does not agree with me in defining the color of his *Crimson Sport*, simply because we do not use the same pair of eyes, then the editor comes along and says a color chart is to be arranged so that every grower can tell just what the color of his pet seedlings may be, or words to that effect. Now this sounds first rate, but what good will it be unless we all agree to stand by the chart, and then I am sure that some unruly fellow who has a mind of his own will take it into his head to see an entirely different combination of colors in his new carnation from what he could possibly get out of the chart. Florists are queer about just such little points; they will not do as they are told. What a lucky thing it is to know more than others; then we are unable to lay our failures to those who are always throwing in a little advice.

But about that color chart; I believe it would be a good thing. Of course the ink used on the charts would never fade, even if laid out in a hot greenhouse, but then if they did fade the projectors of the scheme would always have a large stock on hand to send out to their numerous friends and acquaintances just for the sake of having the charts adopted. Now, if this matter is carried through and the Chrysanthemum Society and the Rose Society, the Carnation Society and every other floricultural society will simply say that this chart *must* be used by committees judging of their respective classes, then the chart becomes absolutely necessary and will prove of permanent value. There is no better man than Mr. Mathews to get out the chart, but the fact that any one man does such a work, or that the FLORIST advises or intends publishing such a work will not alone make it what it should be; it must, and I believe, if properly arranged, would, be gladly accepted by not only the societies of this country, but by every grower who is in need of such a chart. It would be of very great use to me in every branch of my business, and then I would not be called down again by my friend Dillon, for as I stated previously we do not all use the same eyes, and what I would call a salmon others might call a yellow, and so on through all the long list of colors or shades of colors. Just the same give us a well arranged color chart and I for one will be very thankful.

If it could be so arranged that disseminators of new sorts could use this chart for finding the rust on their novelties, which never show it in the least until they arrive in the hands of purchasers, it would be good. Why would it not be well for Prof. Halsted to get up a small treatise on carnation diseases, in neat pamphlet form, illustrated so that we all could determine what ails our plants? The Professor did an excellent work at Boston, but the eyes of the average florist are not trained to hold and transfer to the brain the distinction between the different diseases by a single glance through a microscope, but if the disease was plainly shown on a card or plate so that the trouble could be easily diagnosed by us poor growers, I believe it would be of much benefit to us and well financially for the professor.

A Chicago grower sent me a few specimens of diseased leaves last week, I could easily tell what ailed some of the leaves but the balance had something I could not reach, but Prof. Halstead had no trouble in locating the trouble; to use his own words, "The carnation has bacteriosis badly, and I am sorry for the owner of such plants."

Now this is all very well; we find out what ails our plants, the next thing is the remedy. Why does not some genius go to work and probe these diseases to the bottom, find out remedies for each and every one and then set up his shingle, "Doctor of carnation diseases"? Small fortune for some one. He might apply to the S. A. F. for a certificate; there is no higher authority to grant the sheep skin that I know of. I hear that the S. A. F. would like to control all of the minor societies, Rose, "Mum" and Carnation, bring them all under her wing for protection. Likely chickens as they are, I think the mother hen should have done her own hatching. It is like using an incubator and when the chicks are out giving them to the hen to care for.

CHAS. H. ALLEN.

Carnation Nomenclature.

There have been several new carnations put on the market the past season and extensively advertised under the name of old varieties. This duplication of names is bound to cause confusion, and could be easily avoided if growers and introducers would kindly send all new names to Albert M. Herr, Lancaster, Pa., as soon as selected and have them registered.

As an assistant in the naming of new sorts the forthcoming report of the American Carnation Society will be invaluable, for it contains a list of all the varieties up to date as nearly accurate as it is possible to get it. This report can be secured by joining the society, and every one interested in carnations should join the society, for it is doing noble work for this flower and is worthy of your support.

A. M. H.

Carnation Alaska.

ED. AM. FLORIST:—Permit me to thank Mr. Chas. H. Allen for his complimentary remarks on my carnation Alaska, which appeared on page 878. The mention, however, that Alaska failed to get a certificate at Boston would seem to indicate that Mr. Allen has either forgotten or was unaware of the fact that my one hundred blooms of Alaska received the American Carnation Society's first prize over all other one hundred blooms of whites exhibited on that occasion, which, in view of the splendid whites there in competition, I regard as a most flattering testimonial to its value, and a certificate ample for all necessary purposes.

Paterson, N. J.

H. E. CHITTY.

Daybreak Carnations.

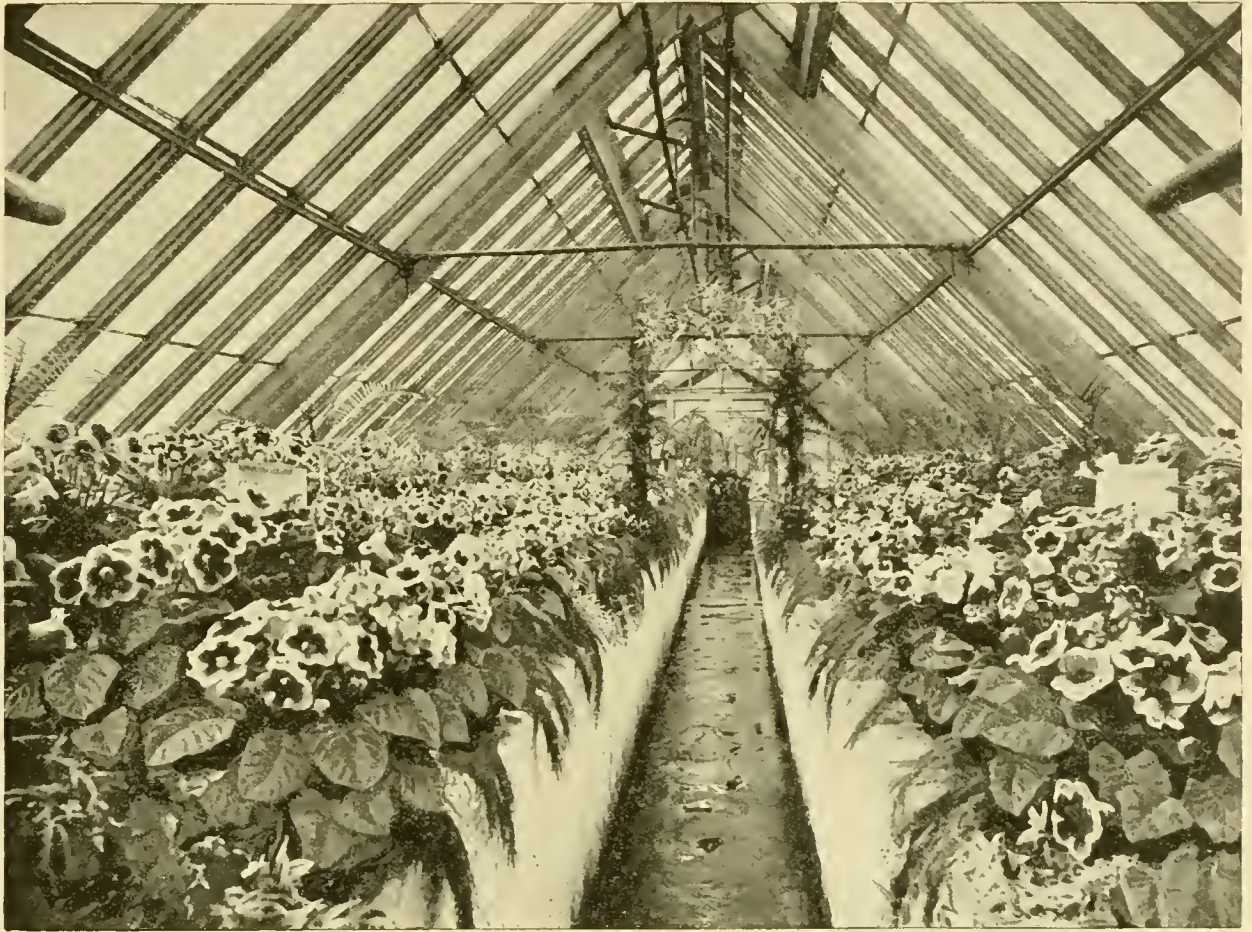
We have a bench of 400 Daybreak carnations which were planted the latter part of September and from which we have cut as follows: October, 848; November, 629; December, 622; January, 781; February, 1,079; March, 2,100, a total of 6,059, and an average of 1,000 per month.

E. D. ELLSWORTH,

St. Joseph, Mo.

with S. N. Kidd.

MRS. C. H. DUHME is a new pink carnation raised by F. Dorner & Son, La Fayette, Ind. It is something in the line of Scott in color, and seems a promising flower. A group of seedlings received



A HOUSE OF GLOXINIAS.

from the same grower showed some fine forms, one being a beautiful intense red, with several pinks showing extra size and vigor. Among them was a pink $3\frac{1}{2}$ inches across, so full petalled that it looked like a tightly quilled rosette.

Gloxinias.

As a showy summer-blooming plant, at a time when the show house is rather bare of flowers, the worth of the gloxinia has long been recognized, but a good many florists hardly realize its value in the retail trade. Showy, well-bloomed plants in 4 to 5-inch will be found excellent sellers during July and August, when there is a dearth of flowering plants suitable for the house. They do very well in a room, developing their flowers just as well as in the greenhouse. Their culture has often been treated at length in our columns, by Mr. Scott and others. They are raised from seed or leaf cuttings, but the average retailer will do better to buy one year old tubers, which should be kept dry in sand until the middle of February, which is time enough to start them to have them in flower by the end of June. Pot in 3 or 4 inch pots, the top of bulb even with the soil; if the soil is moist no watering is needed till the young leaves appear, after which they should have abundance of water. Start them in a temperature of 60° . Never let them suffer for water; if allowed to wilt when in bloom the flowers never recover. Never let water lie upon the foliage. The house of plants shown in our illustration gives a good idea of the beauty of the gloxinia in the mass.

A Podunk Parable.

Now it came to pass in those days that the sun waxed fierce and strong about Cle Veland, which lieth close upon Podunk, and divers strange things came to pass therein; for there rose up among those who buy and sell yet again, certain ones who dealt in all manner of things for which men's stomachs have an affinity, and these ones were in cahoots, which in that country is called partnership. And these same bought and sold many things, yea, hams and eggs, tea and coffee, soap, sugar, codfish of pleasant savor (being a special brand) and many other things. And those that traffic in these wares are called grocers.

And beho'd now, these men took council together saying, "Truly these that are called florists wax fat and take unto themselves real estate, yea, build many glass houses and prosper exceedingly. Shall we not go and do likewise? Also it will be great card." And they did it, selling unto the populace roses for a small sum, called in that country fifty cents, and the number that was sold for that sum was twelve, which are called a dozen. And of tulips sold they a dozen for fifty cents, and of daffodils the same, but carnations were exchanged for twenty cents current coin, and all other things after the like manner.

And the florists marvelled, saying little one to another, but ever kept they up a powerful thinking. And behold there rose one among them called Gah-zoor and smote his chest so that the sound thereof was as that of a drum full of wind. Then said he unto himself so soon

after the chest smiting as he could speak "Go to! Ain't I Gah-zoor, the holder o' medals? I will show them things unto the point of paralysis, yea, so that they stumble and fall."

And he called unto his servants, saying: "Take of the old flowers, yea all that are pickled, and dispose them in baskets. Get ye without my doors, even out upon the sidewalk, and unto whomsoever that passes, give ye a flower as it may hap, a rose, a lily, a pink, a daffodil or whatsoever ye have. Go! Gah-zoor hath spoken!" And even so was it done.

Then waxed yet another florist full of rage, so that the waxing of his rage stood out upon his mustachios, and he twirled the same for two days, saying naught. Then unsheathed he his mighty axe and went forth to battle, keeping step with himself, and conducting himself conformably with Upson and the rules of war, for he was learned in these things beyond common men, and right terrible to see. And he hung banners in the windows, and inscribed upon them divers strange legends, saying: "Good roses, 35 cents, carnations 15 cents," and many other wondrous things. Now yet again did the eyes of the other florists bulge out, but still said they nought, even as before.

Then came those that ran a department store, which is like unto the ark of Noah, containing all manner of strange things—animate as well as inanimate. And they departed, saying: "Come off! We are the people! Come unto us, all ye that labor, and together we will make these florists weary. Yea, we will teach you how to get something for almost noth-

ing, for in exchange for that something we desire but a pittance. Yea, and ye need funeral flowers, the same shall be provided for that tearful occasion, all gotten up artistically and the gain shall all be yours. Behold, we are true philanthropists."

And seeing all these things certain florists murmured, while others said, "Go to; these things can not last, and then we will give these Philistines the grand laugh, even the large ha! ha!"

But others yet again held with none of these, but said, "Go ye and pursue yourselves! These harm no one, but benefit all, in that they spread abroad the love and knowledge of flowers, so that they who buy of these men's goods, being not commonly buyers of flowers, shall some day be seized of a discontent with the quality of the Philistine's goods, and coming unto your places of sale shall buy good flowers for but few shekels more. Then shall they be content and you shall have a new customer."

But no man had certainty of these things, so still they walk in darkness. These things that be written, be true, so hallelu me Moses. Selah. A.

New York.

A condition of dissatisfaction, which from long continuance may be said to have become almost chronic, prevails in the cut flower trade. Retailers complain of the rigid economy practiced by their once free handed customers, and refuse to enthuse over the after-Easter prospects. Weddings there will be, lots of them, but the orders are all of them miserably small. Existing conditions could not be much worse for the wholesalers, who, between the exactions of their friends on both sides, find much difficulty in maintaining the proper balance between their commission and their expense account. Among the growers "that tired feeling" is most prevalent with the rose growers. The carnation men, or most of them, are well satisfied, and they ought to be. It is a peculiar fact that the rose growers' only protest is a verbal one. Their actions indicate anything but distrust of the future of their specialty, and they resolutely shut their ears to all suggestions that excessive over-production is what is ruining the rose growing industry; how otherwise can any one explain the contemplated increase in glass area for rose growing, which bids fair this season to equal, if not exceed, that of any recent year? In Madison and vicinity Lum, Noe, Hopping, Holmes, Hart, DeForrest, Busbin and others have already begun or are about to commence additions to their glass of from 4,000 to 12,000 feet each, and from other rose growing sections similar reports are heard. Odd, isn't it? Perhaps it isn't going to be much of a shower. It didn't take the bulb forcers long to come in out of the wet, and the quantity of this stock grown for the cut flower market has now been reduced down to actual demands, so that but little complaint in this line has been heard as compared with the last few seasons.

On the other hand the plant growers are supremely happy. What is not already disposed of will not long remain unsold, and to them the present and the future are full of sunshine. The inevitable result of this is seen in the stiffer prices and reduced size of azaleas, rhododendrons, palms and other desirable import stock. The growers of these specialties abroad will show good judgment if they

read and carefully reflect on the sad fate which befall their over-greedy brethren, the Dutch tulip growers. They can not hope to control the American trade always, but with sagacity they can retain their hold on it for some years to come.

Prof. B. T. Galloway of Washington was the lecturer at the April meeting of the Florists' Club. The weather was such that the audience was small, but those who braved the elements were amply repaid. The stereopticon views added much to the interest and instructiveness of the lecture. Altogether about sixty slides were exhibited; these included illustrations of the various questions discussed under soils, diseases, insects, etc., as well as numerous views of typical rose, violet, carnation and other houses. The professor explained his interest in the welfare of greenhouse plants and his fondness for florists' society by saying that he was once a florist himself. Answering a question after his lecture he recommended shavings as a good mulching for violet beds. The plants do not require water so often and the flowers are kept cleaner. In reply to a suggestion that the decaying shavings might favor fungous growth he said that this was not likely; sphagnum moss might be preferable, but the shavings were much less expensive.

President Allen spoke feelingly of the loss which the club had sustained in the death of their fellow member, Mr. Forsterman. He said that probably no man connected with the club was ever held in higher esteem than Mr. Forsterman. He was one whose nature unconsciously and without any self effort endeared him to all who came in contact with him; his genial, warm nature made him at once a friend of every one who met him. The secretary was instructed to extend the sympathy of the club to Mrs. Forsterman.

The past month has been a very busy one at Siebrecht & Wadley's New Rochelle greenhouses. Young stock of the new rose to the number of nearly 100,000 has been coming on splendidly, and is now ready to be sent out. The young plants are in excellent condition, well rooted and thrifty. The old plants are blooming freely and will yield a good cut for Easter. Mr. Siebrecht reports an unprecedented call for small and medium sized palms this season.

First of all in demand has been Cocos Weddeliana, the stock of which is nearly depleted, and next comes Kentia Belmoreana, which is about cleaned out, not only here but everywhere. Arecas in all sizes and latanias up to four feet are selling briskly. The call for bay trees for hotels, club houses and such places also show an increased demand. There will be enough kentias in due time for patient waiters; as an enormous quantity of seed is being planted this spring. The houses are well stocked with specimen palms in large sizes from Trinidad.

Orchids, which constitute a leading specialty here, are looking well, but the season of best bloom is over and the crop of flowers is at low ebb. Mr. Siebrecht's theory that *Odontoglossum crispum* requires more heat than is given it by many growers, and that a temperature of 60° to 65° best suits its needs, seems well justified by the appearance of the *odontoglossum* house, the contents of which are certainly in excellent health. *Cattleya Warnerii*, *speciosissima* and *Peruviana* are all grown in large quantities. *Epidendrum bicornutum* is recommended as an orchid worthy of general cultivation for commercial purposes; the flowers are pure white and exceedingly pretty.

Among the novelties is *Anthurium Siebrechtianum*, the marked distinction of which is its showy spike of deep red fruit, which remains a long time on the plant.

The half hundred men on the place have been kept hustling with Easter flowering plants, of which there was a large stock. Many hyacinths and tulips, imported as first-class stock, have developed flowers far from first-class, against which Mr. Siebrecht enters a vigorous protest. Another disappointment is experienced in a house of lily of the valley, the stock in which he says was thought as so-called "Russian" at an enhanced price, but which has yielded very ordinary results.

Ernst Asmus has gone off on a duck shooting expedition to South Jersey, and expects to bring back a few of those that escaped President Cleveland's gun.

Alfred Dimmock has arrived from England and will have a large sale of orchids from Sander at Rolker's auction rooms on April 18.

John Reid, a well known florist of Jersey City, died on Monday, April 8.

Chas. Pynaert of Ghent sailed for home on April 10 per steamer New York.

Dr. Emil Holub sailed on the 13th. He will lecture again in this country next winter.

Theo. Outerbridge of Bermuda is in town; also Burt Eddy of the U. S.

Chicago.

Every indication points to an active Easter trade. Stock promises to be fairly abundant, but there certainly will be none too much if orders keep on piling in as they have all the week up to the date of writing (Thursday). The demand from outside points was never heavier, and the shipping trade will probably heat all previous records. Local trade is also quite active since the latter part of last week. On Saturday and Sunday a number of funerals took place, which called for an enormous lot of stuff, which was followed by Monday with an unusually heavy demand, occasioned by the inauguration of the new Mayor and city council. The council chamber on Monday was a veritable flower show, and as far as variety of designs is concerned beat any previous record for a similar occasion. As to the artistic and appropriate we shall say but little; it is enough to say that some of the characteristic "designs" caused a good deal of merriment to the general public who were fortunate enough to view them; at the same time there were also many strikingly handsome pieces. At any rate the market was entirely cleaned up, and the week started in with a clean board. Naturally prices made a sharp advance over the week previous, which latter was one of the slowest of the season. To-day (Thursday) regular Easter rates take effect, quotations of which will be found under the regular heading.

The weather this week so far is such as to make the plantmen happy. Although the temperature is not quite as warm as might be desired, still the days are bright and pleasant, and the stuff can be handled in good shape. Up to the present the outlook for this line of trade is very bright, and if favorable weather conditions should continue during the critical time of the next few days the trade in plants will be much larger than in previous years. The stock of *Harrisii* in pots is very fine this year, and stock is moving out of the hands of wholesale dealers at a lively rate; in fact every variety of plant in bloom seems in good demand.

A car load of callas, yellow marguerites,

palm leaves, branches of the pepper tree, eucalyptus, etc., was received here Wednesday, the 10th. These were consigned to Kennicott Bros., of this city. This shipment was made from Los Angeles, Cal., by the Central Park Floral Company simply as an experiment. To judge, however, by the appearance of the stock on arrival, it will not prove much of a success in a financial way, fully two-thirds of the 17,000 callas being spoiled. The marguerites came through in fairly good shape, and so did the palm leaves, among which are some extra large phoenix 18 to 20 feet long.

The callas were stood upright in boxes, the stems in wet moss. The flowers not being secured at the top resulted in their being badly whipped about, and the bulk of the damage was from this cause. Those in the center were least injured, both from whipping and wilting. Probably these did not have so much opportunity to whip, and the moisture was better held in the center. Mr. Kennicott had a large force of men sorting out the salable blooms, and was trying to do the best he could with them. Buyers were given their own selection at \$10 per 100, but he fears that the results will not be satisfactory to the consignee, as the freight charges alone were \$400. It is probable that the palm leaves in this consignment would have gone very well had they been in time for Palm Sunday, but they are now too late.

Although there is no fear of shortage for Easter, flowers have not been overplentiful this week, the greatest shortage being noted in carnations, white ones being particularly scarce. A good many growers seem to be off crop in whites. Daybreak is the only fancy quoted, and is very good; the limited number of Buttercup to be had is bought at double the price of other fancies. Kirscht Bros. of Niles Center ship in a limited quantity of fine Helen Keller. Out of town orders for carnations are heavy, and a good many of them must perforce go unfilled. Roses are sufficient for demand, though it would not be surprising to find a shortage in light-colored ones toward the end of the week. Beauties are fine, and so are hybrids; Mermet is better in color, though it cannot compete with Brid-smaid.

Some very good bulb stuff is seen. Tulips are fine, some white La Reine particularly so, and there are excellent Dutch hyacinths at \$6 to \$8. A novelty is gladiolus from Bassett & Washburn, fine spikes of colored varieties, which are held at \$3 per dozen. The same firm is growing superior valley. Outdoor narcissus is increasing; both poeticus and single yellow comes from R. Kennicott at Carbondale. The poeticus, however, seems to go rather slow.

As to lilies, it is not likely there will be any shortage. They are now (Thursday) held firmly at 15, having begun the week at 12.50. The demand has been steady all the week. Some dealers think they may reach 18, but that is uncertain. Callas are 12.50 for high grade local stock, 10 for seconds, the Californian batch being counted as the latter. There is no doubt the trade may be congratulated on the conservative manner in which these latter are being sold; had they been left on South Water street to be thrown into the hands of the fakirs for what was offered, not only would the consignee's loss have been heavier, but the lily market as a whole might have been injured.

Lilium candidum is not offered in quantity, but some good flowers are seen; they stand at 8. A few very good white stocks were noted, but they sell very feebly.

The yellow marguerites from California seemed to take very well; this might be borne in mind by our growers.

T. J. Corbrey will remove about May 1 to larger and more commodious quarters on the second floor of No. 59 Wabash avenue, the room at present occupied by the Cut Flower Exchange. Geo. Piepgras will occupy a room on the same floor May 1. Wm. Lynch, successor to the Niles Centre Co., will also occupy a room on same floor at the same date.

Our friend Walter Kreitling is coming up in the world; he has emerged from his basement and has now opened up in very neat quarters on the ground floor of 227 Wabash avenue.

Chas. Fisk will leave his basement on State street about May 1, and open up a store at 167 Wabash avenue.

Mr. H. A. Bunyard is still at the Alexian Brothers' Hospital, but is doing nicely and will soon be convalescent. His room at the hospital is No. 57.

F. C. Mendonza has opened a floral store at 566 43d street.

Recent visitors: W. Bertermann, Indianapolis; Schmidt Bros., Grand Rapids, Mich.; Geo. M. Bradt of the *Southern Florist and Gardener*, Louisville, Ky.

Our old Wooded Island souvenir of the World's Fair, Mr. Melchior Luetsch, has, like Robinson Crusoe, at last abandoned his island, and has gone to Lake Geneva, Wis., as gardener to Mr. Frank L. Chandler. The island still remains as a beautiful remembrance of the Fair, but it will seem incomplete without Mr. Luetsch, who was almost a part of it. During the Fair he was the man that could always be found, and somewhere on the island was the place to look.

During a visit to the Fair Grounds last summer we could not avoid comparing the endurance of the works of nature and those of man. The buildings that were so beautiful the summer of '93, and which had escaped the fire, already began to show unpleasant signs of decay, but the beauty of the island had greatly enhanced. The island was a gem of natural beauty in the midst of desolation. It will prove the one enduring memorial of the great exposition.

Boston.

For some reason Boston appears to have escaped the period of dullness and panic prices which seems to have struck some sections of the country. Lent has passed without any very noticeable depression, and prices on most lines have been well maintained. The wholesalers have got out their Easter price list, but even at the present writing, one week ahead, the market figures on carnations are fully up to the Easter quotations. The large increase in space devoted to carnation growing this season seems to have made no impression on the market so far, for there have been but few occasions when the demand for good stock has not been up to or ahead of the supply. Referring to this, Mr. Denys Zirngiebel pertinently quotes the old farmer who said that "the more hens you have the less eggs you get." And this is about how it looks in this case.

Roses, while less satisfactory than carnations, have done fairly well, and the growers have but little complaint to make. On lilies there is every prospect for a full and possible over-full supply for Easter, although there is a disposition manifested among the growers and wholesale to hold well up to prices that have prevailed in past seasons. The plant trade will undoubtedly exceed all former years in volume.

Palm Sunday furnished the usual demand for flowers for the various churches, and all the city and suburban retailers report a satisfactory business.

Mr. Henry O'Meara of the Boston *Journal* will address the Gardeners' and Florists' Club on Tuesday evening, May 7th on "The Poetry of Flowers." Mr. O'Meara is himself a poet of no small ability, and the club is to be congratulated in having secured a lecturer who can handle this subject so well.

Philadelphia.

The Easter trade promises to be unusually good if the advance sales reported by the growers mean anything. In nearly every case they say business has been unprecedented. Robert Craig, who had a very large stock of lilies, and was a little doubtful as to the result, stated on Saturday night, April 6, that he had never experienced such a rush. It has been his custom to have his sheds full of fine plants, consisting of city orders selected ready to go away on Palm Sunday, but this season his large shipping orders kept all hands so busy there was no time for ornamentation, and visitors had to be satisfied with seeing the plants on the benches. He is already sold out of many kinds of plants, and his large stock of lilies is nearly all gone.

Mr. Harris's experience is much the same, all his choice stock was quickly picked up, and some staple lines sold out before anything was delivered. Lilies are selling well with all growers, and for once all appear to agree that 10 cents per flower and bud is the right price.

Spiraea compacta was sold out first, \$4 per dozen being the price, through some sold for \$3. Four dollars per dozen is said to be scarcely enough to leave the grower any profit, and a dozen well grown specimens certainly seems a lot for the money. Lilacs, *metrosideros*, rhododendrons, and such choice stock have sold well, and a few more should be grown. The large lilies, three bulbs in a pot, are in great demand, and it seems probable that the demand will not be supplied. Hydrangeas seem to be the most plentiful. Harris had some extra fine large plants that went to Washington; they were certainly fine.

The brothers Ball are not in it this year, and their famous longiflorums will be missed. Palms carry better than lilies, and can be sold most any time, at least such stock as they grow.

Retail stores are as busy as bees, getting ready at this writing. Some send out cards of invitation to their customers and others seem satisfied that their hold on their trade is strong enough. All decorate their stores more or less, and most of the displays are miniature horticultural exhibitions of themselves. A great many people have gone into the business selling plants, renting empty stores and stocking up, or getting favorable places on the pavements to spread out and catch the passers by. Around the City Hall is getting to be a popular place for these curb stone merchants, and it would not surprise us to see this develop into a retail market for the spring season.

Sunflower Brunners are now to be seen, and if the warm weather of the last day or two continues it will be hard on all kinds of cut flowers. The stock promises to be plentiful and is offered at about 33% above the prevailing prices, for Easter delivery, except for carnations, which it seems are to bring about 100% more. All the bulbous stock is offered at current figures, and cut longiflorums are quoted at \$10 per hundred.

Heron & Nisbet have failed; Messrs. Bearn, Anderson, Lonsdale and Burton entered up confessed judgment notes and took possession of the store, which is to be conducted for a time under the firm name of Anderson & Bearn, with the other two gentlemen as silent partners. They are facetiously called the big four, and the boys in town are given notice to look out for themselves and the double barrelled opposition. The indebtedness of the firm was about \$5,000, and the creditors outside of the above who are interested to over half the amount will lose all.

George Craig has added wagon No. 3 to his delivery service; it is a beauty and will make the next ambitious brother hustle to get out something better. K.

Washington.

Every one seems to have taken a new lease on life as Easter approaches. The florists' windows are being dressed in their sweetest and choicest blooms and plants, and even the florists themselves seem to have awakened from a deep sleep to begin life anew.

Flowers, especially roses, are very plentiful and in fine condition, La France, Jacks, Meteors and Brides being unusually fine. The markets are stocked with bloom of every kind. Harrisii lilies are being grown in quantity by most all the florists, and the indications are that the market will be flooded. As some of the market florists said last week, "There were flowers to burn." Harrisii were selling for 25 and 50 cents per stalk, having from 4 to 6 flowers on each.

Good La France are bringing \$2.50 per dozen in the market. Woottons are exceptionally fine and are being sold at \$1.50 per dozen. Beauties are bringing from \$1 to \$5 per dozen in the market, according to quality. Bridesmaids are good, and bringing \$1 and \$1.50 per dozen. Perles, which are in great profusion, are sold at the stands for \$1 per dozen. Brides bring from 75 cents to \$1.50 per dozen, according to quality. Dutch hyacinths are abundant and bring from 50 cents to \$1 per dozen. Pans of hyacinths containing 7 and 8 bulbs readily bring \$1. Narcissus are retailing at 25 to 35 cents per dozen, tulips 35, marguerites 25 cents per bunch. Callas \$1 per dozen. Asparagus from 50 to 75 cents per string. Astilbe japonica is plentiful and is selling at 25 to 75 cents per pot according to size and number of spikes. Cyclamen are still on the market and retailing for 50 cents per pot. A few plants of *Acacia paradoxa* in full flower are to be seen in the market and are bringing \$1.50 each in 6 and 7-inch pots. Marguerites in 12-inch pots are bringing \$2.50 each. Carnations are still plentiful and are being sold for 25 cents per dozen; fancy ones in the market are bringing 50 and 75. Azaleas in 6 and 7-inch pots sell for \$1 and \$2 each. Valley is being sold for 35 cents per dozen. Pansies in 4 inch pots bring only 10 cents.

The demand for decorative plants continues dull. I am told at the stands that the demand is steadily growing less each week. Violets are still plentiful and the demand unusually good for this season of the year; in the markets they are being sold from 50 to 75 cents per hundred. Sweet peas have made their appearance again and are in good demand, bringing 35 cents per dozen or \$3 per hundred.

Clark Bros.' La France roses will just about hit the Easter season with a fine crop. I have never seen them look finer. They expect the heaviest cut of the season

from this house. Their young Beauties are producing some fine bloom just now, they too will be at their best about Easter. I have never seen finer Woottons than they are cutting at present, or plants making such strong growth. They have a bed of *Asparagus plumosus* the strings of which are about 12 feet long in splendid condition, remarkably uniform in size and length. This is the second crop this season and will be just ready for Easter. They are going strong in chrysanthemums and already have hundreds of fine healthy plants in 3-inch pots.

I was particularly taken with a fine yellow marguerite which they have grown in considerable quantity. The plant is almost identically the same as the ordinary marguerite except in color of flower, which is canary yellow. Very free flowering and attractive. They expect to make a feature of it this season.

F. H. Kramer and Robert Lacey, doing business under the firm name of Kramer & Lacey, who purchased the old plant of Gude Bros. in Anacostia some 18 months ago, have by mutual consent dissolved partnership. Mr. F. H. Kramer assumes all the debts of the firm and will in future conduct the business himself. Besides their greenhouses they had a store at the corner of 13th and E streets N.W., which for more than a quarter of a century has been a flower store.

During Easter C. Strauss & Co. took a temporary store on F street, between 12th and 13th.

Mr. J. R. Freeman is again confined to the house with his old trouble. He has the sympathy of his many friends.

REYNOLDS.

Toronto.

Saturday last, although it was comparatively mild, was very wet, and the market men got another knockout. There is plenty of stuff, which, if the weather would only permit them to do so, the people want to buy. I am afraid the boys are not using sufficient sackcloth and ashes with their prayers this Lent. Harrisii lilies are going to be very scarce this Easter. Some are backward, owing to the recent dull cold weather, and some got a bad check during one night in March, when a cold wave unexpectedly swooped down. Other flowers will doubtless be in good supply unless the demand far exceeds present expectations, of which I am sorry to say there are no indications as yet. However, it is within the possibilities that a surprise party may come along and clean out everything. Times appear to be mending a little. There are lots of very fine azaleas to be seen in store windows now.

The Ontario government has not seen fit to accede to the reasonable request of the gardeners and florists of this and other cities that agricultural societies in cities be changed into horticultural societies. I think it quite probable that it will take a year or two before the anomaly of the thing penetrates the cranium of the members of the legislature, very few of whom take the slightest interest in horticulture. If there was anything in the request about prize bogs, or big turnips and mangel wurzel more attention would be paid to it.

It is reported that the Electoral District Society will not hold their usual summer flower show this year, but will devote their government grant to some other purpose. Why should not the Gardeners' and Florists' Association hold a show some time in May, just before the spring rush comes? Think over it, boys, there is time yet if taken in hand at once.

Mr. Wallace Wood, gardener to D. Walker, Esq., Victoria St., received a very sad affliction last Tuesday in the death of his wife. Mr. Wood has the sincere sympathy of all the fraternity. E.

Cincinnati.

Last week's business fell short of expectations. Starting in briskly Monday and giving promise of a profitable trade for the week, the demand fell off suddenly towards the middle of the week and was spasmodic to the end. Funeral work seems to have been abundant enough to have made a fair steady run on white flowers of all kinds. This, together with an unusual brisk transient trade for small amounts, seems to have kept the florists a little busy, so that they have scarcely noticed the fact that it was Lenten season. Parties of all kinds have been conspicuous by their absence of course, but taken altogether the dullness has not been as pronounced as was expected.

Stock has been quite plentiful in most lines, roses in particular. These threatened to become a glut, but a steady shipping demand served greatly to avoid a break in prices. Few changes in quotations are noted. Brides dropped from 5 to 6 to 4 to 5. The balance of the rose list remains the same as last week. Beauties are somewhat improving in general quality and the cut is increasing, but good stock is still insufficient for the demand. The same holds as regards hybrids. Jacqs are in supply about equal to demand and are of average good quality; some few lots indeed are extra good. La France and Bridesmaid are plenty.

In carnations there is still a scarcity in white. These command from 25 to 50 cents per 100 more than colored sorts. The latter are plentiful enough.

Very little bulbous stock is seen on the market. Many growers report being cut out entirely, still prices have not advanced any. Valley is in good demand. The supply is limited and sold out clean every day. Violets are getting very scarce, the supply being far short of the demand and quality very inferior.

The scarcity in hardy ferns still continues, and has its effect on smilax, which is in great demand. The price ranges from 25 to 35 cents a string, the latter being the highest price reached for a long time. Asparagus stays at 50.

A number of our large department stores are beginning to handle potted plants. The stuff they handle is of the poorest and cheapest quality, and the prices realized are probably all the plants are worth or more. A number of growers who supply these houses feel rather related over the fact that by these means they are enabled to unload all the worthless rubbish that would find no sale in the regular channels of trade, but we are afraid it may prove a boomerang. These plants can not possibly give satisfaction, and buyers of them will hesitate before investing their money again, even if offered a sound article by the regular dealers. P.

Spring Show of the Kentucky Society of Florists.

The first spring show of this society was held at Louisville April 6, and proved a success in every way. All the leading florists of the district were represented with well-arranged exhibits, and the public showed a gratifying appreciation of them. One of the largest displays was made by Nanz & Neuner. Their cut flowers comprised all the leading roses, while in their plant display was a carpet bed of

echeverias, etc., which was much admired. They also showed a quantity of bulbous and other spring flowering plants.

F. Walker & Co. made a striking exhibit of palms and other decorative plants, artistically arranged, and brightened by blooming plants. Wm. Mann, who makes a specialty of callas, had a large exhibit of these plants, and also showed the only swainsona on exhibition. His carnations were also good. Chas. Schleeter made a fine display of spring blooming plants in pots, including hyacinths, tulips, begonias, roses and genistas arranged with excellent effect. Jacob Schultz also made an exhibit of blooming and foliage plants, lilies, hyacinths, and tulips being particularly good, and his exhibit included some fine specimen araucarias. Geo. Thompson & Sons arranged their exhibits in pyramidal form, topped by a well bloomed plant of Bryophyllum calycinum. Cinerarias, double petunias, bulbous plants, etc., made up a very showy and attractive exhibit.

Chas. Reimers had a showy display, which immediately attracted the eye on entering the show. Azaleas, both tender and amœna, lily of the valley, and all sorts of spring stuff, were very tastefully arranged. His cut flowers were the object of special comment. Sweet peas of high excellence, roses, Beauties and Belles particularly, and other florists' flowers composed the exhibit. E. G. Reimers made a special display of Easter lilies of great excellence, and in addition to these were azaleas, begonias, tulips and other spring flowers. J. E. Marret's exhibit was described as the most tastefully arranged display in the hall. It was pyramidal in form, composed of flowering plants with a background of palms and other foliage. H. Kleinstariuk showed extra good hyacinths and tulips, genistas, cinerarias and rhododendrons.

In addition to the local exhibitors E. G. Hill & Co. of Richmond, Ind., sent cut blooms of their new carnations Jubilee, Armazinda and Triumph; Nathan Smith & Sons, Adrian, Mich., sent fine sweet peas. Geo. M. Bradt, publisher of the *Southern Florist and Gardener*, made a most interesting cactus display. At this show chrysanthemum plants were given to a number of school children, who will grow the plants on until next fall, when they will compete for prizes offered at the society's chrysanthemum show. The show was so successful that the florists will feel encouraged to hold another next year. No prizes were offered, but there is no doubt benefit from it will be felt by the trade in and around Louisville.

Worcester, Mass.

Cloudy weather and plenty of rain has been the rule the past week, and he who had his lilies well advanced was joyful, but the poor fellow whose buds were of a beautiful light green didn't like it at all. No change has been noticeable in the trade from last week; considerable funeral work has been coming in, and the regular trade is in first-rate condition. Harrisii are selling for \$3 per dozen; Brides, Mermets and Perles from \$1.50 to \$3; carnations 50 and 75 cents, tulips, hyacinths and narcissus at \$1, valley 50 and 75 cents, and violets at \$1 per hundred. Everything is in fair supply with the exception of smilax and ferns.

It is reported on the street that C. C. Kenyon, who bought out N. J. Herrick last January, has sold again to Herrick, but I have been unable to verify this.

Fred Madans has opened a temporary stand at 374 Main street.

John Speelman, representing C. J. Speelman & Sons, Sassenheim, Holland, was with us last week. A. H. L.

Do YOU WANT a complete alphabetical list of chrysanthemums in commerce in America, with class, and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By good plantsman and grower; state wages. IONA, care Am. Florist.

SITUATION WANTED—By young man, age 27, in private place; 14 years' experience. LEE, care American Florist.

SITUATION WANTED—By young man, age 27, as foreman in commercial place or second in a large establishment. HARE, care Am. Florist.

SITUATION WANTED—By a fern raiser and grower well up in all branches; 11 years' experience in England and America; good references. F. C. Weldon, Pa.

SITUATION WANTED—By a married man; 13 years' experience in growing roses cut flowers and bedding plants; steady and sober; No 1 references. Address NORRIS, Darby, Pa.

SITUATION WANTED—By Hollander, 26, single. I am perfectly familiar with the culture of all kinds of bulbs and seeds, general stock of foliage, flowering plants and cut flowers; best of references. Address B. Florist, P. O. Summit, N. J.

SITUATION WANTED—By florist and gardener, 20 years' experience in private and commercial places; married, small family. Address W. J. CLINTON, Downer's Grove, Ill.

SITUATION WANTED—By young German florist in commercial place; seven years' experience in this country and Europe; best of references. Address FLORIST, 46 Hollenbeck St., Rochester, N. Y.

SITUATION WANTED—By young man, single, as assistant in private or commercial place; capable of taking charge, but prefer to work under instructions; best of references. Address T. K., 67 Bromfield St., Boston.

SITUATION WANTED—By a young active man as seedsman and florist; 10 years' experience, knowledge of foreign languages; best references. O. Z., care Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

SITUATION WANTED—By working foreman in commercial or private place where a first-class man will be appreciated; 11 years' experience, single. Address, stating wages and particulars, ANDERS RASMUSSEN, Bristol, Pa.

SITUATION WANTED—By gardener and florist, German; private or commercial; experienced in all branches; first-class references; not afraid of work; married, two children, age 43. Address GEO. HOUSER, 922 1/2 21st St., Harrisburg, Pa.

SITUATION WANTED—By a young man, 9 years' German and 2 years' American experience in growing all varieties of plants, roses, carnations, chrysanthemums and general work; single, age 26. Address SCH. BERNHARD, Lake Forest, Ill.

SITUATION WANTED—As foreman or assistant by Hollander, practical florist, married; 15 years' experience in growing palms, foliage and flowering plants, azaleas, hardy roses; references; Pennsylvania preferred. FLORIST, 405 Central Ave., Orange, N. J.

SITUATION WANTED—As foreman in commercial or private place by German, married, 15 years' good practical experience in cut flowers, pot plants, landscape work and all other parts of the trade; best of references; state wages. Address "A Y," care American Florist.

SITUATION WANTED—As head gardener or good second private place; English; life experience, competent; fruits, flowers, vegetables, greenhouse, lawns, landscape work, best reference. Address, particulars, G. M. STRATTON, 2715 Golden Gate Ave., San Francisco, Cal.

WANTED—Wholesale price lists. Address THE V. A. VANICER NURSERY, Newport, R. I.

WANTED—A quick, reliable young man for the mail plant business in the west. R. R., care American Florist.

WANTED—A few hundred dormant roots of Cannon Star of '91. Address WESTERN, care American Florist.

WANTED—First-class rose grower, single; state wages expected. JNO. E. CAREY, Mt. Clemens, Mich.

WANTED—A single man that has some experience in growing "mums"; state wages with board. Address COLE BROS., Peoria, Ill.

WANTED—A few dozen canna Queen Charlotte. Address, stating size and condition, with lowest price per 100. R. R., care American Florist.

WANTED—Experienced young lady in florist store; must be well recommended and understand bookkeeping. Address 363 43d St., Chicago.

WANTED—Two first-class rose and carnation growers; sober, reliable; married or single. State wages. Address BRANT & NOE, Forest Glen, Ill.

WANTED—Rooted carnations from boxes, Tidal Wave, S. Spray and other commercial varieties for cut flowers; suitable to plant out at once. Address T. J. KING, Ottawa, Ill.

WANTED—A young man who is well up in general greenhouse work as helper; German preferred; state wages wanted. JOHN B. GOETZ, 2165 Mackinaw St., Saginaw, W. S., Mich.

WANTED—Second-hand pumpkin engine; must be in good condition. Address with description and price, SCHMIDT BROS., 220 to 224 West Fulton St., Grand Rapids, Mich.

WANTED—A young man 16 to 18, as assistant in rose growing near New York; need not have experience if ambitions to learn; must be sober and industrious. Address L., 28 W. 15th St., New York.

WANTED—Gardener, competent to plant orchard and take care of greenhouse and gardening for market garden purposes; wages \$50 per month; state recommendations. Address IRON CLIFFS Co, Negaunee, Mich.

WANTED—A man with means enough to build the rooms and me furnish the grounds and take 1/2 interest in greenhouse; no better location anywhere; none in twenty miles in any direction; a town of 2,000 inhabitants; there are several hundred dollars' worth shipped in every season. Address S. W. COX, Bement, Platt Co., Ill.

FOR SALE—Flower store, old established refined neighborhood; will pay to investigate. Address H. B., care American Florist.

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My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 296 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

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Heliotropes, Fuchsias and Mums.....	per doz. 20c
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Coleus.....	per 100 75c "
Postage 1c. doz. Cash with order. Send for catalogue.	

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Address THE AMERICAN FLORIST CO., Chicago.

ASA GRAY'S "Field, Garden and Forest Botany" is already a standard, and it would be superfluous to make comment on its recognized excellence. We have recently received a new and revised edition of this work, which, though intended primarily as a school book, is also a valuable reference work. The book has been revised and brought down to date by Prof. L. H. Bailey of Cornell University. (American Book Company, publishers, Chicago, Cincinnati and New York.)

SOME SWEET PEAS recently received from Nathan Smith & Son, Adrian, Mich., included four varieties, Indigo King, Blanche Ferry, Emily Henderson and Mrs. Sankey. Of the whites, Emily Henderson certainly seemed a decided improvement over Mrs. Sankey in size. Blanche Ferry still seems the standard pink, and Indigo King one of the best of its type. The flowers were large and lasting.

THE ADVANCE premium list of the Penna. Hort. Society just received, gives the schedule of their chrysanthemum show next fall, November 5-9. In addition to many special chrysanthemum prizes Mr. Craig offers a silver cup for the best carnation, not disseminated, one plant and 25 blooms.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

ITS MATCHLESS BEAUTY AND GRATEFUL FRAGRANCE makes friends everywhere for the

GRANDIFLORA CAPE JASMINE

I will be prepared to make shipments of the buds of this popular flower, commencing about May 10th to 15th. Prices, by mail, \$1 00 per 100. Lots of 200 by express pre-paid for \$2.00. Special prices to florists and in quantities. The keeping qualities of this flower are unsurpassed.

Orders hooked for future delivery.

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Shipments made from Alvin, Texas.

Asparagus Plumosus Nanus.

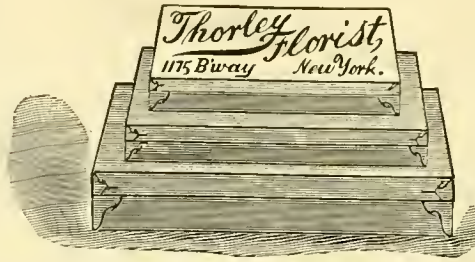
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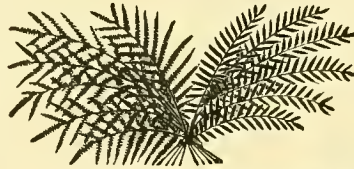


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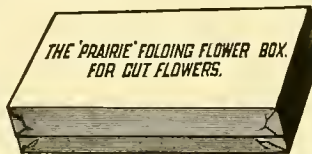
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Cycas Leaves. FRESH CUT
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VASES.

METS,
BRIDES,
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CARNATIONS,
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Roses, Niphetos.....	1.00@2.00
" Perle, Hoste.....	1.00@2.00
" Mermel, Cusin, Watteville.....	1.00@4.00
" Bride, Bridesmaid.....	1.00@4.00
" La France.....	1.00@4.00
" Testout.....	4.00@4.00
" Meteor.....	1.00@3.00
" Beauty.....	10.00@20.00
" second.....	2.00@5.00
" Hybrids.....	10.00@20.00
" Jacqs.....	4.00@12.00
Carnations.....	1.00@2.00
" fancy.....	2.50@4.00
Violets.....	.40@.50
Valley.....	1.00@2.00
Narcissus, Hyacinths.....	1.00@2.00
Daffodils, Tulps.....	1.00@2.00
Harrislil, Callas.....	4.00@8.00
Mignonette.....	4.00@10.00
Cattleyas.....	25.00@35.00
Smilax.....	20.00@35.00
Adiantum.....	1.00
Lilac per bunch.....	.50

BOSTON, Apr. 9.

ADVANCE EASTER PRICES.

Roses, Niphetos, Gontier.....	6.00
" Perle, Sinesel.....	8.00
" Mermets, Brides.....	8.00@12.00
" Jacqs.....	12.00@20.00
" Bruners, Magna Charta.....	15.00@25.00
Carnations.....	2.50@3.00
" fancy.....	4.00@5.00
Violets.....	1.00
" frame grown.....	1.00
Valley.....	3.00@4.00
Daffodils, Paper Whites and Tulps.....	4.00
Hyacinths, Poeticus.....	3.00
Longiflorum.....	16.00
Harrislil.....	15.00
Callas.....	10.00
Cattleyas.....	3.50
Sprays and Stock.....	3.00
Mignonette.....	.75
Pansies per 1000.....	.50
Heath per bunch.....	2.00
Myosotis.....	1.50
English primroses, per dozen bunches.....	1.00
Marguerites.....	16.00
Adiantum.....	20.00
" Farleyense.....	50.00
Smilax.....	50.00
Asparagus.....	50.00

PHILADELPHIA, Apr. 9.

Roses, small.....	3.00@3.00
" large tens.....	5.00@3.00
" extra select.....	10.00@12.00
" Beauties.....	20.00@35.00
" Bruners.....	15.00@35.00
Lilac.....	25.00
Carnations.....	1.50@2.00
" extra.....	3.00@4.00
Asparagus.....	35.00@50.00
Violets, double.....	2.50@4.00
" single, per 100 bunches.....	\$2.50@4.00
Valley.....	3.00
Daffodils.....	3.00
Harrislil.....	8.00
Cattleyas.....	25.00@35.00
Sweet peas.....	2.00@3.00
Mignonette.....	1.00@3.00
Smilax.....	15.00@18.00
Tulps.....	4.00

CHICAGO, Apr. 11.

ADVANCE EASTER PRICES.

Roses, Beauties, selected.....	35.00@50.00
" second.....	8.00@25.00
" Hybrids.....	20.00@30.00
" Testout, Brides, Bridesmaid.....	6.00@8.00
" La France, Wootton, Mermets.....	6.00@8.00
" Perle, Niphetos, Gontier.....	3.00@5.00
" Meteor.....	3.00@8.00
Carnations, common.....	2.00@2.50
" fancy.....	3.00
Valley.....	3.00@4.00
Paper White, Romans, Freesia.....	3.00@4.00
Tulps.....	3.00@4.00
Daffodils.....	3.00@4.00
Dutch hyacinths.....	4.00@8.00
Harrislil, Callas.....	12.50@15.00
Violets, double.....	.57@1.00
" single.....	.50
Smilax.....	18.00@40.00
Common ferns, per 1000.....	4.00

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Successors to WM. J. STEWART.
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Explains fully all the best systems of heating greenhouses by both hot water and low-pressure steam. Tells you the points to consider in selecting an apparatus. How to adjust same to various locations; gives the results of the latest scientific experiments. Shows how to compute the number of feet of pipe required for a given space; draft and other important matters.
It is highly commended by Mr. John Thorpe and others. Postpaid, 75c.
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American Beauty,
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Testout,
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Established 1879. NEW YORK CITY.

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408 East 34th Street,
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ESTABLISHED 1884.

Catalogues Received.

Elm City Nursery Co., New Haven, Conn., trees, shrubs and hardy plants; Fred P. Burr & Co., Middletown, Conn., seeds; Ricker National Nursery Co., Elgin, Ill., trees, shrubs and nursery stock; David G. Yates & Co., Germantown, Phila., trees, shrubs, new and rare plants; Klehm's Nurseries, Arlington Heights, Ill., fruit trees, nursery stock, plants and bulbs; John A. Salzer Seed Co., La Crosse, Wis., seeds, plants, vines, small fruits, etc.; Bush & Sons & Meissner, Bushberg, Mo., grape vines; Max Deegen, Kostritz, Germany, roses; C. Hennecke Co., Milwaukee, Wis., plain and fancy flower pots; H. W. Weguelin, Shaldon, Teignmouth, England, British and foreign carnations; Harkett Floral Nursery, Dubuque, Iowa, plants, vines and bulbs; Vilmorin-Andrieux & Cie., seeds, trees, shrubs and plants; Edmund Van Coppenolle, Meirelbeke-Ghent, Belgium, choice stove and greenhouse plants; Andorra Nurseries, Chestnut Hill, Phila., Pa., trees, shrubs and plants; L. Bochmer & Co., Yokohama, Japan, Japanese bulbs and plants; Harlan P. Keisey, Kawana, N. C., native shrubs and plants; H. Cannell & Sons, Swanley, Kent, England, plants; M. J. Pierce, Adrian, Mich., plants; A. N. Kinsman, Austin, Mich., seeds and plants; D. M. Andrews, Boulder, Colo., plants and shrubs; J. Blaauw & Co., Boskoop, Holland, azaleas, rhododendrons, lilacs, evergreens, etc.; H. Millingar, Merchantsville, N. J., chrysanthemums; J. Floucaud, Paris, France, pumps, sprinklers and sprayers; W. J. Hesser, Plattsmouth, Neb., palms and decorative plants; John Barth Bos, Overveen, Holland, Dutch bulbs; A. Bowerman, Winnipeg, Manitoba, plants, seeds and shrubs.

New Notes.

TAMA, IA.—O. M. Totten is starting in the florist business here.

SAN FRANCISCO.—This city is to have a water front boulevard lined with palms and elms.

DAVENPORT, IA.—Henry Pauli, formerly with Chas. Dannacher, has started in business for himself.

THE Wisconsin legislature has appropriated \$2,000 for the use of the State Horticultural Society.

GREENWICH, CONN.—Alexander Mead has just completed a new house 112x22 and reception room 28x12.

PORTSMOUTH, VA.—Mrs. O. D. Ball Jr. has built a greenhouse in Cottage Place and will be ready for business April 10.

OAKLAND, CAL.—Elaborate preparations are being made for the coming fest which will include a "battle of flowers."

MACON, GA.—The contract for decorating the exposition grounds has been awarded to Mr. P. J. Berckmans of Augusta, Ga.

MINNEAPOLIS, MINN.—The estimate of the park commissioners shows that the sum available for park maintenance this year is \$45,000. This is \$5,000 less than last year, and there is no prospect of any extension of the park system this year.

PANSIES.

Fine stocky plants, excellent strain, \$2.00 per hundred.
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New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advs., floral designs, etc., at from 30c and upward. Price of Catalogue 25c. (deducted from \$1.00 order).
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FLORISTS.

Here is a Bargain in SWAINSONA.

We have reduced our former price on Rooted Cuttings of Swainsona, and can now sell them to you as cheap as any one else. Write for prices before the stock is sold.

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150,000 of all the leading varieties.

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50,000 of leading varieties.

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Hydrangea Thos. Hogg, 2 1/2-in. pots.....	Per 100	\$4.00
Pansies, from cold frame, transplanted.....	50	.50
Roses, monthlies, 2 year, suitable for 4 and 5-inch pots.....		5.00
Roses, 2 year, suitable for 3 1/2 and 4-inch pots, H. P. and Moss.....		6.00
Petunias, dbl. fine strain, ass'd, 2-in., strong		2.50
Chrysanthemums, splendid ass'tm't, 1000, \$20		2.50
Palm Washingtonia Filifera, 2 1/2-in.....		4.00
"Chin crops Excelsa.....		4.00
Wistaria Chinense, one year, strong.....		2.50
Ceraniums, Ivy, Florens, Jean d'Arc, Galilee		3.50
Happy Thought, \$4.00; Mrs. Pollock		5.00
Begonia Vernon.....		3.00
Lemon Verbena, strong.....		3.00
Ampelopsis Veitchii, 1 1/2 to 3 feet, dormant		4.00

☞ Cash or satisfactory reference required.

THOS. A. McBETH, Springfield, O.

MILDEW is cured radically by applying "IRGIN SULPHUR" with bellows on sunny mornings. Prominent Rose growers use it. When added to manure the latter will be freed from insect life and gain in efficiency.

A 50 kilo bag (112 lbs) sold for \$5 cash; 100 kilo bag \$8; 25 lbs. for \$1.50; 10 lbs. 75 cts.

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New York, P. O. Station E.

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WHOLESALE FLORISTS,
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TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.00. Extra fine, per 100 lbs. \$5. Sample FREE.
Vaughan's Seed Store, Box 688, Chicago.

Is it better to confine oneself to a few lines and devote special attention to them or to spread over a large field and cultivate the same roughly?
I believe in the former proposition—started in on that basis—and now commence my third year on same lines. My specialties are:
FLORISTS' FLOWER SEEDS. (The best strains obtainable.)
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FLOWER ROOTS AND BULBS. (For Forcing and Retail.)
MUSHROOM SPAWN.
CLAY'S FERTILIZER.
I shall be pleased to figure on your wants in these lines. Write me for prices on anything you want. I stick to specialties and do them better than anyone else.
Note my New Address:
G. C. WATSON,
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N. B.—I handle the Phila. Flower Shipping Box and the "Workeasy" Strap and Buckle. Both "Perfection."

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Our Specialty.
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Price List for florists free on application.
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FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.
FROM CALIFORNIA.—Bulbs, Seeds, Trees, Etc.
Orders booked up to Dec. 1 for Cycas Revoluta Stems. Send for our new and interesting Catalogue '94-'95.
H. H. BERGER & CO.,
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Jobbers only please correspond with us in regard to contracts. Prices right.
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Plants, Seeds and Bulbs.
NOVELTIES A SPECIALTY.
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EXTRA FINE REX BEGONIAS.
Per 100
Strong plants, 2 1/2-inch pots, assorted . . \$1.00
Strong plants, 3 1/2-inch pots, assorted . . \$1.00
Also immense line of Roses, Carnations and a general stock. Send for quotations.
THE NATIONAL PLANT CO.,
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BEGONIAS.
Extra large A1 Bulbs. Separate colors, Red, White, Rose, Yellow and Orange, or mixed as you desire. \$3.00 per 100.
T. H. SPAULDING, Orange, N. J.
"Begonias purchased of you are the best bulbs for the money we have ever bought."
A. B. DAVIS & SON.

THURSDAY, APRIL 18th.

THURSDAY, APRIL 18th.

GREAT ORCHID SALE.

Over **2000** Imported, Established and Semi-Established Plants just arrived

From **F. SANDER & CO., St. Albans, England,**

CONSISTING OF THE NEW

Great White Lælia-like Dendrobe **DENDROBIUM JOHNSONIÆ,**

1000 DENDROBIUM PHALÆNOPSIS SCHRODERIANUM,

500 DENDROBIUM FORMOSUM GIGANTEUM.

All in grand order and arranged in lots to suit the trade and large buyers. The sale will also include many new and rare uoelties fully described in catalogue,

Which will be sold by **A. & F. RÖLKER,** At their New Salesrooms,
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Gordiner's Celebrated English Mushroom Spawn.
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co.,
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Dealer in **J. M. THORBURN & CO.'S**

HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
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FINEST OF BULBS

AT LOW RATES.

Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10.00 rates only), now ready on application.

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WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

WEEBER & DON,

Seed Merchants and Growers.

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You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

BURPEE'S SEEDS ARE THE BEST

For Florists and Market Gardeners.

WARRANTED;—"Few Equal—None Better."

Special Wholesale Price List mailed Free on application, together with "A BRIGHT BOOK ABOUT SEEDS," novel and unique, of interest to all planters who desire the BEST SEEDS that Grow.

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Largest Growers of

HYACINTHS, TULIPS, NARCISSUS, SPIRÆA, LILIES OF THE VALLEY, ETC.

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GROWERS OF

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Trade Catalogue on application.

LILIUM HARRISII.

Original and largest growers of this important bulb.

OUR SPECIALTY!

True Stock. Lowest Prices. Best Quality.

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON, NEW YORK.

New Way to Hang Outside Doors to Greenhouses.

I have no doubt others have had the same experience I have, in finding the outside door or doors of the greenhouse frozen up solid on a winter's morning. I have found by experience in the last two winters that this trouble can be obviated by hanging the door in the right way. My way is to have the door say two inches larger than the opening at the sides, top and bottom. Have the hinges fastened to a strip planted on the door casing. This strip of course to be equally thick as the door. The fastening for the door lock should be a block screwed (not nailed) on the casing, so the same may be moved in case the door swells or shrinks. This makes a good tight job, and the drip can not get down under the door and freeze it fast. On the outside or weather side there must be of course a piece cut sloping upwards to the door so as to sheer off rain or melting snow on the door step, where it will be too far away to do any harm. My experience the last two winters convinces me I would have every outside door to a greenhouse hung in this way. It may be others know of it, but those who have not tried it will be pleased with it. CHAS. E. HAY. Springfield, Ill.

Primula Black Eyed Beauty.

A new variety of Primula chinensis filicifolia fimbriata is offered under the name of Black Eyed Beauty. It has a large, almost black, eye, the color being deep velvety crimson with a golden center. The plant is compact in growth, foliage dark green, of the fern leaved type, and with dark red stems. NORIS.

A New Fern.

One of the department stores recently offered a lot of measly looking plants of Adiantum cuneatum, over which was displayed a sign reading "Edadam, 25 cents each."

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

CUTTINGS by Mail prepaid. POT PLANTS by Express not prepaid.

- Alternanthera p. major and aurea nana; Ageratum White Cap and dwarf blue, cuttings, 50c; 2-in. pots \$1.50 per 100.
- Chrysanthemum cuttings, \$1.00 per 100.
- Coleus, best bedders, cuttings, 60c. per 100.
- Fuchsias, good mixed, " \$1.00 per 100.

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77, UPPER SANDUSKY, OHIO.

Rooted Cuttings

COLEUS, 24 distinct fancy colored, best old and new, strong rooted, 60c. per 100; \$3.00 per 1000. Write for special low cash bargains. Reds and yellows, 70c. per 100; \$6.00 per 1000.
 VERBENAS, mammoth. In mixed bright colors, vigorous, 7c. per 100; 46.00 per 1000.
 SEEDLINGS, transplanted fine stock, Mammoth Verbena, Snow White Scabiosa, Semple's new Asters, Perfection white Aster Marguerite Carnation, mixed colors 70c. per 100.
 PLANTS, Heliotrope, Scarlet Sage, the splendid Gallardia Templetonia, in bud 50c. per dozen.
 Please remit cash with order.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

Marie Louise Violets.

NO DISEASE. STRONG PLANTS. \$1.00 per 100; \$6.00 per 1000.

MISS P. A. BAKER, MEDIA, PA.

ROSES. ROSES.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—Wm. Falconer.

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

PAINESVILLE, Lake Co., OHIO

CATALOGUES AND PRICE LIST FREE.

Mention American Florist.

YOUNG ROSE PLANTS

We offer the following very choice Plants out of 2 1-2 in. Pots.

	PER 100.		PER 100.
AMERICAN BEAUTIES, -	\$5.00	BRIDES, - - - -	\$3.00
METEORS, Best Red Rose,	3.00	MERMETS, - - - -	3.00
MME. C. TESTOUT, -	6.00	BRIDESMAIDS, - - -	3.50
KAISERIN A. VICTORIA,	6.00	PERLES, - - - -	3.00
LA FRANCE, - - - -	3.00	WOOTTONS, - - - -	3.00
D. OF ALBANY, - - - -	3.00		

CARNATIONS, {	PER 1000	\$10.00
DAYBREAK	"	23.00
WM. SCOTT	"	10.00
TIDAL WAVE	"	10.00
SILVER SPRAY	"	10.00

Strong Rooted Cuttings. The above stock is very strong and healthy, and propagated from selected wood. We send out the same stock that we grow for ourselves, and it will give better satisfaction than stock which has been grown simply to sell.

REINBERG BROS.,

51 Wabash Ave. CHICAGO.



Tuberous Begonias

GRIFFIN'S STRAIN.

MEDAL AWARDED WORLD'S FAIR.

Let us figure on your needs in Tuberous Begonias (doubles especially), we can do so better than any firm in this country. The bulbs are the finest we have ever grown.

OASIS NURSERY CO.,

THOS. GRIFFIN, Manager. Westbury Station, Long Island, N. Y.

2000 JACK ROSE PLANTS

on their own roots, well branched, 2 1/2 to 3 feet high, \$10 per 100. 3 to 4 feet high, \$15 per 100 Sample of 8 for \$1.00.

JORDAN FLORAL CO.,

706 Olive Street, ST. LOUIS, MO.

ROSE CUTTINGS.

Well Rooted of	Per 1000
METEOR, 2 and 3 eyes, at	\$18.00
Mermets, Brides, Perles, etc., at	15.00
2 1/2-inch Teas, at	25.00
Bridesmaids, at	30.00

We are specialists for Violet blooms, cuttings and cinnps—Marie Louise and Lady Campbell.

ANCHORAGE ROSE CO.,

ANCHORAGE, KY.

The Rose for the Million!!

BELLE SIEBRECHT.

This rose is the result of years of patient work by one of the best rosarians in the world. It is not sent out to be "tried." We have subjected it to the most severe tests, and are now fully satisfied that it is *the best Florists' Rose in existence*. It is not a mere sport, but is of a distinctly new strain, the result of a cross between La France and Lady Mary Fitzwilliam.

ALWAYS IN BLOOM. AN IRON CONSTITUTION. Requires no special houses, no nursing. Will make itself at home in any house where other roses are grown. Proved hardy out of doors in latitude of New York. *Color and keeping qualities unequalled.* The greatest introduction of the century.

We have received numerous testimonials from eminent rose growers who have inspected the rose and pronounced it to be everything we claim for it. It is having an enormous advance sale in every section of the country. The young stock from which we shall fill orders is in perfect condition. Delivery will begin April 15th, and orders will be filled strictly in rotation.

Strong Plants, \$7.50 per dozen; \$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

New York Office, 409 FIFTH AVE. NEW ROCHELLE, N. Y., U. S. A.

"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots. \$8.00 per 100.

CHRYSANTHEMUM

GEO. S. CONOVER, the best EARLY BLOOMING, large yellow. Nothing like it on the market. Strong plants. \$8.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

HYDRANGEA Red Branched, nice stock, 4 inch pots, \$8.00 per 100.

FENCH CANNAS.—Large stock of the leading varieties.

WRITE FOR OUR CATALOGUE.
VICK & HILL, Rochester, N. Y.

FOR SALE.

PINK AND WHITE ERICAS (Scotch Heather), in bloom now, fine plants.

\$1.00 each; \$10.00 per dozen.

Also 600 for Easter. Also all kinds of Easter plants in prime condition.

ANTON SCHULTHEIS,
P. O. box 78, COLLEGE POINT, L. I., N. Y.

JOHN N. MAY, WHOLESALE GROWER OF

Roses, Carnations, Chrysanthemums and Cannas.

All of which are now ready.
SUMMIT, NEW JERSEY.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

HEADQUARTERS FOR THE WONDERFUL NEW ROSE CRIMSON RAMBLER.

The Largest and Finest Stock in America.

Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots, \$15.00 per 100. Ready for immediate shipments.

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

THE CALIFORNIA! MAMMOTH NEW VIOLET. FLORAL WONDER OF THE CENTURY.

Blooms cover a silver dollar; stems 12 to 14 inches long; color deep violet-purple (does not fade); fragrance intense; several hundred flowers from a single plant; blooms during seven months in the year. Price, \$10 per 100; \$70 per 1000. 500 at 1000 rate.

PITCHER & MANDA, Inc., SHORT HILLS, NEW JERSEY.
When writing mention the American Florist.

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Rooted Cuttings. Cash with VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

ROSES

BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. order. Address for quotations.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER,
JAMAICA PLAIN, (Boston), MASS.

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TRY DREER'S
GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,
Philadelphia, Pa.

Mention American Florist.

Kansas City, Mo.

The plant trade has been very good, and the outlook for Easter is very promising. A run through the different establishments finds them all looking extra well, with all their hopes built on a big Easter trade; and judging from the quantity and quality of the stock, and with the weather propitious, we may confidently expect the best Easter trade ever seen in our city, which is rapidly improving every year. The fine weather has brought out the peddlers in great force, and our largest house in the city, which sells everything from a needle to a florist's trowel, is advertising choice seeds and dormant roses. It is reported that they contemplate handling cut flowers. It seems hard, but experience will teach them that the profits are not what many think they are. Also, that they are not like dry goods, which, when out of fashion may be sold at a sacrifice, but are perishable, and without experience and care are liable to see the rubbish barrel—no sacrifice sale, but dead loss sale.

The cut flower trade has been just fairly good; not at all what it ought to be, although slightly improving.

Arthur Newell is at Bean Lake, fishing. In town:—James Hayes, Topeka, Kan. S. M.

Bermuda Lily Flowers.

The Bermuda Easter lily bloom is doing its best in small towns this year.

Out of eight churches there are but two that have not ordered Bermuda grown blooms. Result: Bulbs wanted this year 100 in place of usual order of 500. W. Wellsboro, Pa.

A New Canna!

"THE PROFESSOR."

We take pleasure in offering this Canna to the Trade, and feel sure that it will please all who purchase it. It originated with me, has been tested on my grounds for the past three years, and has been very highly spoken of by all who have seen it.

The foliage is a very dark purple, nearly black, and colors up well in the full sun. The flowers are of fair size and substance, and of a deep crimson color; they are by far the best we have seen in the dark foliage section of this popular plant.

Its habit of growth is dwarf, and its average height is about 3½ to 4 feet.

We consider this Canna a valuable acquisition and hereby offer it for the first time.

Price for started plants from pots (ready after March 15, 1895), 75c. each; \$7.00 per doz.

N. B.—All orders will be filled strictly in rotation.

SEAWANHAKA GREENHOUSES,

P. O. Box 34. Oyster Bay, Queens Co., N. Y.
Mention American Florist.

Canna

Seed fresh and clean, saved from Mme. Crozy, Florence Vaughan, and introductions of 1894. Now is the time to sow. Oz 25c; ½ lb. \$1.50; 1 lb. \$2.50.

T. H. SPAULDING, Orange, N. J.

PANSIES.

The Jennings strain of Large Flowerlog and Fancy Pansies in bud and bloom, ready April 1st. The Finest Strain is what every Florist wants. Plants grown in cold frames, firm and stocky, by express, per 100, \$2.00; \$15.00 per 1000. Small plants, prepaid by mail, 60 cents per hundred. All colors mixed.

E. B. JENNINGS,

Wholesale Pansy Grower.
Cash with order. Lock Box 254, SOUTHPORT, CONN.
Mention American Florist.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice.

Try this set, you'll not regret
When you see the beauties blooming,
And don't forget the best thing yet.
They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents. From 2½-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georgeanna, with the finest scarlets, purples, striped and intermediate shades. Double Petanias (Dreer's), 2 in., \$2.50; 3 in., \$4; 4 in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vincas (Perrywinkle) from flats, \$2; 2½-in., \$3; 3-in., very fine, \$5 per hundred. Begonia Vernon, semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2½ in., \$2.50; 3 in., \$3.50 per hundred. New yellow daisy, Anthemis Tinctoria (single), 2½ in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats, \$2.50; 2½ in., \$3.50 per hundred. Nasturtium selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Weikin, the fine new white Jersey Queen, light purple, Vert Valley, dark, 2½ in., \$4 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2½ in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2½ and 3-in., \$4 per hundred. Calendula P. of Orange, Scabiosa Snowball, simple Alyssum, tall, double and dwarf single, Mignonette, Torenia fourieri, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4-in. size, \$3; 5-in., \$5 per hundred dormant roots; Eulalia plant sticks, the newest and cheapest for all small plants, to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding cannas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. Address cash with order please.

J. C. GIBSON, WOODBURY, N. J.

PALM SEEDS

Direct Import, fresh quality, just arrived.

	Per 100	Per 1000
Areca lutescens.....	\$1.00	\$7.00
" rubra	1.00	7.00
Cocos Weddeliana.....	1.50	12.00
Ceonoma gracilis.....	3.00	25.00

We further expect in the course of next month 150 lbs. Latania borbonica, 50 lbs. Chamærops in different varieties.

CHAS. SCHWAKE,
404 E. 34th Street, NEW YORK.

ROOTED CUTTINGS.

Carnations—McGowan, Portia, Freeman, Cartledge, Aurora..... per 100 \$1.00, per 100 \$1.00
Albertini, Sweetbrier, Pixley..... 1.50
Daybreak..... per 1000, \$20.00 " 2.50

Chrysanthemums—Whitlaid, Brown, Ivory, Niveus..... " 1.00
Queen..... " 2.00
Ampelopsis Veitchii, 3 to 4 feet..... " 4.00

Violets—Schoenbrun, Czar and Marie Louise, perfectly healthy clumps..... " 4.10
Rooted Runners, \$5.00 per 10'0.

JOHN J. CONNELLY, Bryn Mawr, Pa.

A. & F. RÖLKER,

AUCTIONEERS OF
Plants, Bulbs, Orchids, Etc.
106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.

200,000 2 year BARR'S ASPARAGUS
10,000 CURRANTS, 2 year, No. 1.

Large stock of ALL KINDS of FRUIT TREES. Full assortment of SHADE TREES and EVER-GREENS, NUT TREES, OSAGE ORANGE, etc. Write for prices.

RAKESTRAW & PYLE,
WILLOWDALE, CHESTER CO. P. A.

Carnation Wm. Scott,

Rooted Cuttings, \$20.00 per 1000.
500 at thousand rate.

HARMON, BURR & CO., Darien, N. Y.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Carnations
Wm. Scott
Edward Wayne
Kennett Squ.

NEW.
OPIHELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$5.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$80.00 per 1000.

STANDARD.	100.	1000
Sweetbrier.....	\$5.00	\$40.00
Helen Keller.....	" "	" "
Uncle John.....	" "	" "
Stuart.....	" "	" "
Buttercup.....	4.00	35.00
Scott.....	3.00	25.00
Daybreak.....	2.50	20.00
Cartledge.....	2.00	15.00
Portia.....	1.50	12.50
McGowan.....	" "	" "
Fisher (from sell for Summer).....	" "	" "

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

NEW CARNATIONS.

	per 100	per 1000
BRIDESMAID, bright clear pink.....	\$10.00	\$75.00
METEOR, deep brilliant crim. scarlet.....	10.00	75.00
STORM KING, snow white.....	10.00	75.00

Ready April 1st, 1895.

UNCLE JOHN, pure white.....	5.00	40.00
THE STUART, scarlet.....	5.00	40.00
E. A. WOOD, variegated.....	5.00	40.00
GOLDFINCH, yellow-edged pink.....	5.00	40.00
WM. SCOTT, pink.....	3.00	25.00
DIAZ ALBERTINI, pink.....	3.00	25.00
DAYBREAK, pink.....	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

Certificate and special mention awarded to all.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$6.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON,

La Fayette, Ind.
Mention American Florist.

20,000 WM. SCOTT

Rooted Cuttings ready for immediate delivery.
\$3.00 per 100; \$25.00 per 1000.
Cash with all orders.
DAILLEDOUZE BROS., Flatbush, N. Y.

50,000 Carnations.

ROOTED CUTTINGS.
Ready now. Positively no Rust Also rooted runners Lady Campbell Violets.
Send for Price List.

Wm. Swayne,
P. O. Box 225. KENNETT SQUARE, PA.

SPECIALTIES

ALL IN THE BEST VARIETIES.

ROSES,
CARNATIONS,
CHRYSANTHEMUMS,
VERBENAS,
Rooted Cuttings and Plants. Send for price list.
WOOD BROTHERS, FISHKILL, N. Y.

CHITTY'S NEW PRIZE CARNATIONS For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

CARNATIONS READY NOW.

McGowan in any quantity, Mrs. Fisher, Helen Keller, Sweetbrier, The Stuart, Buttercup, Iago, Cartledge, Portia and Dorner.

Write for prices, stating how many you will want of each variety. The prices will be reasonable and cuttings well rooted and healthy.

ALBERT M. HERR,
L. B. 496. **LANCASTER, PA.**

CARNATIONS

Healthy well rooted cuttings of

	Per 100	Per 1000
Lizzie McGowan, Silver Spray, Puritan	\$1.50	\$10.00
Daybreak	2.00	15.00
Portia, American Flag	1.50	10.00
Tidal Wave and Orange Blossom	2.00	15.00
DOUBLE PETUNIAS —Finest white and fringed varieties, \$1.50 per 100.		
CHRYSANTHEMUMS —Finest white, pink and yellow varieties, \$2.00 per 100.		
COLEUS —Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.		
Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order.		

JAMES HORAN & SON,
BRIDGEPORT, CONN.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

CARNATIONS.

Well rooted cuttings and perfectly healthy; if they are not you can ship them back and have your money returned. Per 100 Per 1000

Lizzie McGowan	\$1.25	\$9.00
Portia	1.25	9.00

VIOLETS. Lady Campbell, well rooted runners, free and clear of disease, \$1.25 per hundred; \$10.00 per thousand. Cash with order.

PETER BROWN, Florist, Lancaster, Pa.

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Lizzie Gilbert	\$10.00	\$75.00	Bouton d Or	\$8.00	\$70.00
Helen Keller	5.00	40.00	Goldfinch	5.00	40.00
Sweetbrier	5.10	40.00	Jacqueminot	5.10	40.00
Iago	5.00	40.00	The Stuart	5.00	40.00
Ad. Byron	5.00	40.00	Annie Pixley	5.00	40.00
Uncle John	5.00	40.00	Buttercup	4.00	35.00
Wm. Scott	3.00	25.00	Heeter	3.00	25.00
Lulu	3.00	25.00	Nicholson	3.00	25.00
Daybreak	3.00	25.00	Grace Battles	2.50	20.00
Mrs. Reynolds	3.00	25.00	Portia	2.00	15.00
Lizzie McGowan	2.50	20.00	White Dove	2.00	15.00
Silver Spray	2.10	15.00			

Our stock is in excellent condition. Inspection invited.

MONEY ORDER OFFICE,
STATION "H," Philadelphia.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

It's Safer to buy Carnation stock from those growers who give their entire attention to its production. We grow nothing but Carnations, and ship only the best quality of rooted cuttings. There are no finer McGowans anywhere than ours, and they are cheap at \$2 per 100; \$15 per 1000, while our Scotts and Albertinis at \$3 and \$25, and Daybreaks at \$2.50 and \$20, are A1 in every respect. How many do you want?

ALEX. McBRIDE, ALPLAUS, N. Y.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and exclusively for cuttings and plants. Inspection and correspondence solicited.

Descriptive price list on application.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

Carnation Wm. Scott.

The best and most profitable Carnation. It is the most productive it is the strongest and healthiest grower. In size it ranks with the best. The flowers bring the highest price.

Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000. GUARANTEED FREE FROM RUST.

E. J. PADDOCK, Station F, Cleveland, O.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now: per 100 per 1000

5,000 BUTTERCUP	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN	1.50	12.00
10,000 TIDAL WAVE	1.50	12.00
15,000 DAYBREAK	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY	1.25	10.00
15,000 AURORA	1.50	12.00
50,000 well rooted runners of LADY CAMP		
BELL Violets	1.25	10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

CARNATIONS ROOTED CUTTINGS.
SCOTT, KELLER, SWEETBRIER, DAYBREAK, MCGOWAN, etc.

CHRYSANTHEMUMS PHILADELPHIA, Mrs. W. H. Hurley, Dailedouze, Queen Bonnaffon, Niveus, Pres. Smith, Mutual Friend, etc. Complete price list on application.

SAMUEL J. BUNTING,

Ethwood Ave. & 58th St., PHILADELPHIA, PA.

CARNATIONS.

	2-inch Pots	6-inch Pots
Helen Keller, Ada Byron	\$4.50	\$6.00
Adelaide Kresken, Jacqueminot	4.50	6.00
McGowan, Portia, Wilder	1.50	2.50

Very strong cuttings—no rust. LADY THOMPSON STRAWBERRY PLANTS, and others at low rates.

EDGEWOOD GREENHOUSES,
GLENSIDE, PENNA.

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BEST CARNATIONS

of the new and old kinds.

We quote you prices on a few of them. Strong, well rooted stock for cash. Per 100 Per 1000

KOHINOOR, new white, large, free	\$12.00	\$100.00
ROSE QUEEN, new, fine variety	12.00	100.00
CORSAIR, the scarlet McGowan	10.00	75.00
ALASKA, large, white, free, new	10.00	75.00
LIZZIE GILBERT, brilliant scarlet	10.00	75.00
STORM KING, large, pure white	10.00	75.00
METEOR, large, bright crimson	10.00	75.00
BRIDESMAID, clear rich pink	10.00	75.00
WM. SCOTT, free, clean pink	3.00	25.00

GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100; \$40.00 per 1000.

DAYBREAK, TIDAL WAVE, PORTIA, SILVER SPRAY, LIZZIE MCGOWAN, \$2 per 100; \$15 per 1000.

Send for complete list.

GEO. HANCOCK & SON,

Grand Haven, Mich.

NEW AND TESTED CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD,

ELLIS, NORFOLK Co., MASS.

THE NEW WHITE CARNATION

MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

	Per 100	Per 1000
We offer them, 2 1/2-inch pots	\$4.00	\$50.00
Lizzie McGowan, rooted cuttings		10.00
ROSES—Bridesmaids, 2 1/2 inch pots	3.00	25.00
Brides, 2 1/2-inch pots	3.00	25.00

Orders booked for Delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

NEW CARNATION. PEACHBLOW.

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Poughkeepsie, N. Y.

The regular monthly meeting of the Dutchess County Hort. Society was held at Poughkeepsie April 3. There was only a small attendance of members, probably owing to pressure of spring work. Five new members were nominated and one elected. The exhibition committee submitted schedule of premiums to be offered at the exhibition to be held in Poughkeepsie, November 6, 7, and 8. It was decided however, on account of the small attendance, to defer passing the schedule until the next meeting, which will be held May 1.

An excellent paper on chrysanthemum culture, prepared by Mr. Thomas Harrison, gardener to Governor Morton, was in the unavoidable absence of Mr. Harrison, read by the secretary. Mr. Harrison confined his remarks principally to growing chrysanthemums in pots, both for specimen plants and specimen blooms. He considered January the best time to root cuttings for specimen plants, and from February 1 to March 1 for blooms. The plants for specimen blooms he recommends growing on without stopping. Only disbudbing to three shoots after the natural break, which usually under this method of culture occurs about the middle of June. They are plunged in ashes outdoors and tied to a trellis to prevent being blown over. Mr. Harrison considered from August 20 to September 20 the best time to take the buds.

W. G. GOMERSALL.

St. Paul, Minn.

The monthly meeting of the Society of Minnesota Florists was held in L. L. May & Co.'s offices at their greenhouses in this city on Friday evening, April 5. The paper of the evening was read by Mr. F. C. Bartels on violet culture, giving his experience the past season. The violets were planted in the benches in the houses in June, the sash removed and not replaced until fall. In October he commenced picking bloom, and had picked an average of 40 blooms from each plant, averaging the size of a half dollar. The chrysanthemum committee reported that the prospects for holding an exhibition this fall were so poor they had done nothing further in regard to the matter, and asked to be relieved from further duty. After adjournment of the business meeting the entertainment committee provided a musical and literary program, not forgetting the wants of the inner man in the meantime. FELIX.

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Between spring openings, funeral work and now and then a little party, our florists are kept at work and all of them seem to have enough to do. The supply of flowers is still rather short, the latter part of the week carnations in particular were very scarce; good prices were obtained for all available stock. Supply of smilax very short, and no prospect of any relief in the near future. Kellers have one house of it ready to be cut, but are holding on to it for their own use until they can depend on some coming from out of town. The supply of carnations will fall short of the demand, so the commission man says, as he has now orders for very large quantities at advanced prices. We had such unpleasant cold and cloudy weather in this vicinity for the past few weeks that flowers of every description refused to open out in quantity, and this accounts for the scarcity.

A few of our Rochester florists accepted an invitation from Utica this week at bowling and had a good time there as usual; they were not victorious, however, but will be ready for them again whenever the call is returned by the Utica horticulturists. Messrs. Salter and Fry who were with the party and Mr. Mathews went on to New York the same night on a business trip and returned Friday. Today our commission man J. W. Keller and Mr. Fry started for Wilkesbarre on a similar errand and will return Monday morning, to be ready for a promising Easter week.

A new florist store has opened to-day, April 7, on State street, a good location, under the management of Mr. Fred Vetter. J. B. K.

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Minnesota has taken another step to ward securing an inter-state park on the St. Croix. The bill appropriating \$6,000 to secure the 110 acres of ground necessary to begin the improvement and for other purposes connected with the inter-state park object was reported favorably from the senate committee yesterday, and placed on general orders. In order to entirely accomplish the object in view the co-operation of the State of Wisconsin is necessary, and, no doubt, can easily be secured. The bill provides for a joint commission of the two states, and as in all cases where two states are concerned and the consent of two legislative bodies is required, there will be much more delay than if the Minnesota legislature itself had full power over the subject. For that reason it is hoped that the senate will take up the bill and pass it soon, so that there may be no danger of its failing for the want of time at the present session, and so that the co-operation of Wisconsin may be had as soon as practicable. It ought not to require any argument to convince any public-spirited citizen of the eminent propriety of preserving this beautiful natural scenery and attraction, and in putting it beyond the reach of destruction preserving it for a place of recreation for the public for all time to come.—*St. Paul Dispatch, April 1.*

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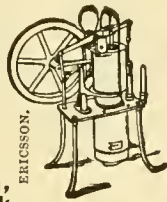
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2 1/4 inch	1,000	about 20 lbs.	\$0 25	\$2 00
2 1/2 "	1,000	" 23 "	" 30	" 2 30
3 "	1,000	" 34 "	" 35	" 2 80
3 1/2 "	1,000	" 45 "	" 50	" 4 00
4 "	500	" 76 "	" 60	" 5 00
5 "	500	" 110 "	" 90	" 8 30
6 "	500	" 150 "	" 1 50	" 13 35

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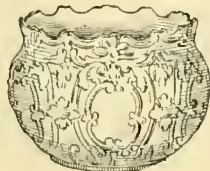
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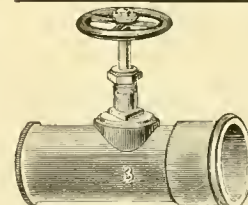
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Mr. Wm. H. Jones, who had attained the age of 67 years, died March 31 at his home, Torryburn. Mr. Jones was a native of Norfolk, England, and for upwards of 30 years has done business in this city. He was for a long time the proprietor of a merchant tailoring establishment until, in consequence of failing health, he began to engage in the business of a florist, which at that time was a comparatively new industry in this city, and in which he has been highly successful. For about 15 years Mr. Jones has conducted this business with excellent results, but he has been for many years a great sufferer from asthma to which he finally succumbed.

He started with one little greenhouse and kept increasing his plant until it is now the largest establishment in the maritime Provinces. He was a keen business man and was very popular.

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A Chicago milliner's window displays a life size picture of a little girl, frame and all, composed entirely of artificial flowers, with the exception of the face, which is the ordinary wax dummy. Just let that catch the eye of some one looking for a unique funeral design, and a long suffering florist will be asked to reproduce it in natural flowers, probably with the substitution of a photograph of the departed in the place of the wax.

Valuable Information.

A recent newspaper article, descriptive of Bermuda lilies, informed its readers that the most remarkable form of *Lilium candidum* was the *Victoria regina*, with leaves eighteen feet around and flowers a foot across, much larger than the ordinary *candidum*. Truly, the newspaper is the motive power of education.

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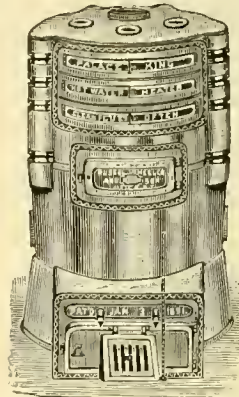
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March 5th, April 2nd and April 30th tickets will be sold via Chicago & Eastern Illinois Railroad to various points in Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee and Virginia, and to points in Florida west of River Junction, at one fare for the round trip. For tickets and information apply to your nearest agent, City Ticket Office C. & E. I. R. R., 230 Clark St., Chicago, and C. W. Humphrey, Nor. Pass. Agent C. & E. I. R. R., St. Paul, Minn.

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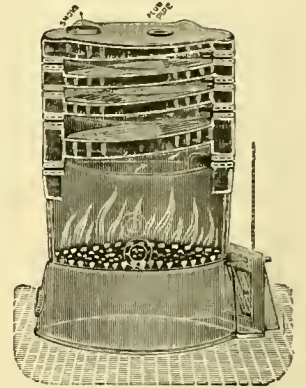
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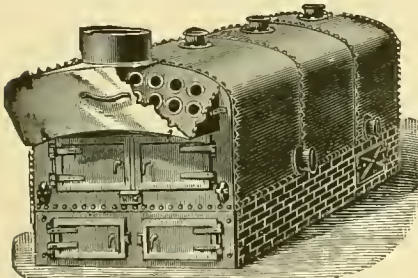
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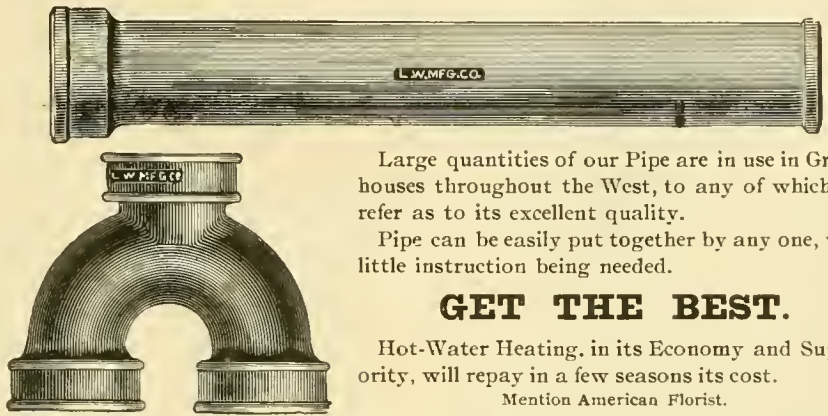
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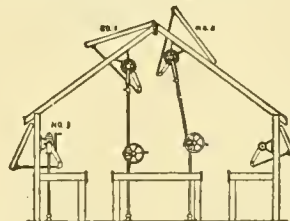
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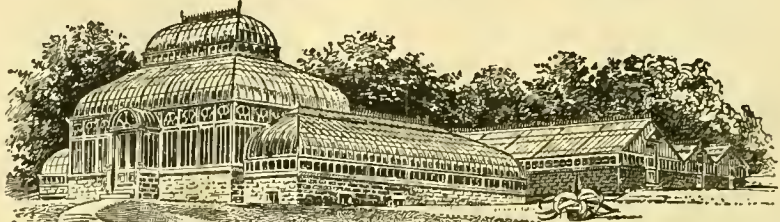
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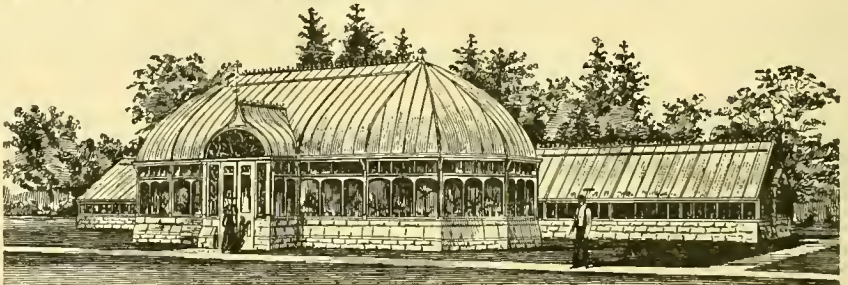
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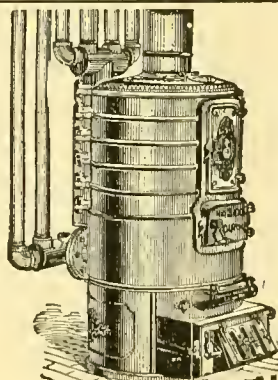
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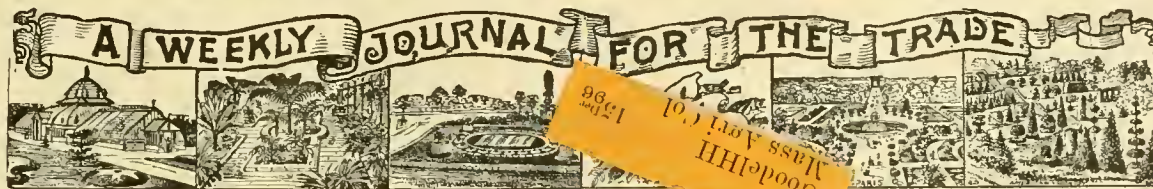
JAMES MACPHERSON.

Wanted Something Appropriate.

An order was recently given a Dowagiac, Mich., florist for a funeral wreath by a sympathetic neighbor of a young man drowned while skating. The S. N. said he'd like to have "Shall we gather at the river" worked on the face of the design in flowers. Knowing that he would not expect to pay more than a dollar, and that lettering would be out of the question, we inquired if "We gathered him from the river," wouldn't be more appropriate; or perhaps, as the design could not be large enough at that price, "He Fell In," simply. The dazed S. N. finally took 50 cents worth of carnations.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. X.

CHICAGO AND NEW YORK, APRIL 20, 1895.

No. 359

THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY
THE AMERICAN FLORIST COMPANY,
322 Dearborn Street, Chicago.

Subscription, \$1.00 a year. To Europe, \$2.00.

Address all communications to

AMERICAN FLORIST COMPANY,
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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Foreign Notes.

The report on the French horticultural section of the Columbian Exhibition, prepared by M. Maurice L. de Vilmorin, has recently been published at the Imprimerie Nationale, Paris. In addition to matter concerning the exposition it contains a thoughtful report on horticulture in the United States.

Among new plants recently receiving certificates from the Royal Hort. Society we find *Arum Eggeri*, which is said to resemble *A. sanctum palæstinum*. The spathe is about nine inches in length, rich dark brown on the inner side, light green at the base and outside. The spadix is not quite so long as the spathe, and velvety black in color. The leaves are dark green, sagittate, and five to six inches long.

THE EASTER TRADE.

Reports From all Sections.

MEADVILLE, PA.—Easter trade was excellent, considerably larger than last year.

NASHUA, N. H.—One-third larger than last year. But sales of roses were light.

NEW ORLEANS, LA.—About the same as last year with retail prices 25% better. Supply short. Quality good. Sales of plants compared favorably with last year.

HAMILTON, ONT.—About the same as last year with retail prices a little lower. Supply equal to the demand. Quality somewhat better. Sales of plants hardly so good as last year.

READING, PA.—Increase of about 20%. Prices a little higher. Supply about equal to demand. Quality excellent. Lilies sold well, other plants rather slow. Very limited call for cytissus.

ELMIRA, N. Y.—An increase of about 30%; prices same as last year; supply equal to demand. Quality better. A large increase in the call for plants. Larger demand for lilies.

TOLEDO, O.—About the same as last year. No change in retail prices, except that lilies were five cents a flower less. Supply just about equal to demand; quality better. In plants more lilies were sold than last year.

LYNN, MASS.—An increase of from 20 to 30%. Retail prices a little better than last year. Supply was fair; quality better. Sales of plants increased 25%. A larger call for carnations and lilies. In general everything sold well.

TERRE HAUTE, IND.—Increase of about 10%. Plenty of flowers. Prices about same as last year. Quality of flowers better. Carnations and roses led. Two clothing stores gave away 12,000 plants and of course this hurt plant sales.

YOUNGSTOWN, O.—Increase of about 20%. Supply equal to demand. Retail prices same as last year. Quality good. Plant sales about one-third larger. Increased call for azaleas in plants and carnations and bulbous stock in flowers.

HARRISBURG, PA.—About same as last year both in volume of trade and prices realized. Supply short. No increase in plant sales, probably on account of the unfavorable weather. We had a deluge of rain nearly all the day sales should have been made.

WILMINGTON, DEL.—An increase of about 25%. Retail prices about the same as last year. Supply not equal to demand except daffodils. About the same amount of call for large plants and in-

creased demand for small ones; an increased demand for carnations.

ASHEVILLE, N. C.—Our Easter trade was fully 60% better than last year with prices just the same. Flowers of all kinds except violets were plentiful. There was an increased demand for blooming plants in pots, while there was a marked falling off in call for Bermuda lilies. Altogether it was a very satisfactory Easter.

PATERSON, N. J.—An increase of about 10%. Supply quite equal to the demand. Retail prices same as last year. Quality about the same as last year. In plants there was an increased demand for lilies and azaleas. Quite a falling off in the demand for tulips and most other bulb stock, especially tulips and narcissus.

SPRINGFIELD, MASS.—An increase of about 25%, with retail prices somewhat lower than last year. Supply equal to demand. Quality fully as good as last year. There was a larger sale of plants. Good demand for small plants such as hyacinths in single pots, but very few to fill the demand. Saturday and Sunday were rainy.

NEW LONDON, CONN.—An increase of about one-fifth. No change in retail prices; supply equal to demand. Carnations were better in quality. Lilies were good and had enough for the demand, but we lost some with the disease. Sales of plants about the same as last year. There was less demand for small cheap lots of flowers than last year.

CAMDEN, N. J.—Fully equal to and probably some better than last year. No change in retail prices. Could have sold more lilies had they been obtainable. Quality good. No change in call for plants. All general decorative plants sold well. More demand for fine carnations than roses. Principal call was for loose cut flowers and bouquets.

EVANSVILLE, IND.—An increase of about 25%. Retail prices same as last year. Supply equal to demand. Quality some better, especially in roses. An increase of about 10% in sale of plants. Roses were on top as usual in the demand. Our customers seemed to have a weakness for paying for the flowers when ordering, which was not disagreeable to us.

PORTLAND, ME.—A slight decrease from last year, owing to the bad weather. Retail prices held about the same as last year. The supply was this year 50% larger than the demand. Quality good. Plant sales were somewhat larger than last year. There was a marked increase in the call for roses and Harrisii lilies; the principal call was for cut flowers and baskets, no designs.

ALBANY, N. Y.—An increase of about 25%. Retail prices were about equal to last year on plants, but prices on flowers

were somewhat lower. Supply equal to demand. Roses and carnations were equal to last year in quality, but violets were poorer. Sales of plants were larger. A better call for azaleas and lilies; most of the people buying would rather purchase large showy plants than smaller and cheaper ones.

PEORIA, ILL.—An increase. Retail prices somewhat lower, thus increasing the total volume of sales. Supply was equal to demand with but very few exceptions. Quality better than last year. Sales of plants about as usual. Special demand for lilies and all cut flowers. Very little call for callas, daffodils or valley. Carnations of all colors were called for and sold at a good price.

UTICA, N. Y.—An increase of about one-third. Retail prices somewhat lower, especially on violets. Supply equal to demand. Quality about the same as last year. Increase in sale of plants. Better call for medium sized azaleas that could be sold at from \$1 to \$2. Lilies and azaleas were both in good demand. Roses and carnations of first quality sold well, while second quality flowers of all kinds were neglected. Supply of orchids not equal to demand.

DAVENPORT, IA.—Increase of 20%. Retail prices of roses and bulbous stuff was about as usual, but carnations brought double price. Sold out roses and carnations clean, but bulbous stuff was quite plentiful. Quality of roses and carnations was better than last year. Increase of about 25% in demand for plants and at much better prices. We did not raise prices at Easter above our usual rates. There was quite a call for wreaths for placing on graves.

SAVANNAH, GA.—Easter trade better than ever before. There were no outside flowers to be had this year and the florists sold out clean. Retail prices were our regular winter rate. There was a scarcity of lilies, all the outside lilies having been killed by the severe winter. Owing to the expected scarcity of outside flowers the florists had Easter orders a month ahead for all they could produce. But with the low prices that prevail here we could not buy from other cities and make a profit.

GRAND RAPIDS, MICH.—An increase of about 20% this year, also more competition; retail prices were about as follows: Roses \$1.50 per dozen, violets 20 cents, valley 50 to 75 cents, peas 25 cents, carnations 35 to 40 cents, tulips and narcissus 50 to 75 cents, Harrisii lilies \$1.50 to \$2.50. Supply was equal to demand. Quality improves here steadily. Not so good sales of plants. The principal call was for Harrisii lilies. There was a large supply of bulbous flowers, and a very large quantity was sold.

DENVER, COLO.—Slightly larger, probably owing to the bad weather of last Easter. Better price for Harrisii, about the same for roses and carnations, lower for bulbous stuff. Supply equal to demand; quality much better. Sales of plants were larger, owing to good weather. Beauties did not sell as well as expected. Violets went slow. Harrisii were scarce owing to not many being grown this year. Good roses and carnations brought good prices. Valley, Von Sion and tulips went fairly well.

BRIDGEPORT, CONN.—Not quite so large as last year. Retail prices the same as last year except for fine roses, which were 25% less. The supply exceeded the demand. Quality was equal to if not better



FLEISCHMAN'S WINDOW
EASTER SCENES IN NEW YORK

than last year. A marked increase in the sale of lilies in pots. In plants the principal call was for lilies, azaleas, marguerite daisy, hyacinths and tulips. There was a large sale of common plants such as geraniums, begonias, etc., in 4-inch pots, which were bought by the churches and distributed to the Sunday School children.

LOUISVILLE, KY.—A slight increase. Retail prices not quite so good as last year, but there was plenty of flowers and the volume of trade averaged up pretty well. There was a slight shortage in the supply of lilies, but there was plenty of other flowers. Sales of plants equal to last year with a slight increase for lilies. The churches were quite liberally decorated with plants and cut flowers, but no designs were used as formerly. The principal call was for boxes of cut flowers, and this seemed to come more largely than usual from what are termed the middle class people.

NEW BEDFORD, MASS.—About the same as last year; retail prices 15 to 25% lower. Supply was fully equal to demand, and an over-supply of most flowers. Quality was better than last year except violets, which were poor. A larger call for blooming plants. Sales would have been much better had it not been for the rain Saturday and Sunday. Harrisii sold on Saturday evening as low as 25 cents per plant with five to seven flowers. Trade was first-class until the rain came, and had the weather been favorable would have been double last year.

WILLIAMSPORT, PA.—Eveuden Bros. report Easter trade fully 25% better than last year, hydrangeas, cinerarias, genistas, hyacinths and lilies, of which they

had a large stock, selling well. Easter pans of tulips, hyacinths, lily of the valley and marguerite daisies sold quickly at good prices. There was quite a rush for cut flowers on Saturday, and an extra force of help were kept busy all day. Roses, violets and carnations were most in demand, and of the latter Daybreak and Tidal Wave were the most popular. The carnation is gaining in favor every year.

KANSAS CITY, MO.—Some report an increase of 30% and others an increase of 40%. Retail prices were the same except on Harrisii lilies, which were 10% less. Supply was about equal to the demand with the exception of roses. Quality as good as last year. Sales of plants were much better, with Liliun Harrisii in the lead as regards demand. In pot plants hydrangeas were slow, hyacinths and Harrisii in great demand. In cut flowers Beauties and roses of all kinds, valley, tulips and daffodils sold well, and at good prices. All the florists report an excellent trade.

DES MOINES, IA.—An increase of one-third; retail prices were about the same as last year, which were not high, and we think this induced a larger call. There was plenty of all flowers except violets. The quality was generally good except of course pickled carnations, of which we had a quantity. Had an excellent call for pot plants. There was an increased call for potted Harrisii and callas, and cut roses, carnations and candidum lilies. Cut Harrisii and callas were not much wanted. The people wanted the whole plant. Cut tulips, Romans and daffodils went slow, and there was little demand for violets. Valley sold well. Any showy pot plant in good flower sold quick.



HODGSON'S SHOW-ROOM.
EASTER SCENES IN NEW YORK.

Easter Scenes in New York.

The illustrations presented in this issue tell the story much better than we can relate it of the various phases of New York's Easter trade. In one view we see an express wagon load of cut flowers, which is only one of a score or two of such loads which found their way to the big commission dealers on Saturday morning. The crowd seen in one of these establishments, the heap of empty boxes in front of another, the load of flowers destined for one of the big Brooklyn establishments and the ever present Greeks are all characteristic scenes in the great wholesale quarters on West 28th street.

The views of the exterior and interior plant decorations in some of the prominent retail stores will give some idea of the extent of the Easter plant trade in these establishments, all of which had overflow displays in such vacant stores as they could secure in their vicinity.

New York.

As had been predicted, Easter, 1895, in New York was a "plant Easter." The plant trade has been unmistakably in the ascendant for a number of years, and this year more than ever the cut flower interests have had to give way before its encroachments. Some of the reasons for this we may consider later. Trade in general was slow to start, and until within forty-eight hours of the holiday the store clerks had little to do but to pick the pollen out of the lilies, answer

queries as to prices and exercise their ingenuity in crepe paper contrivances, but when buying did commence it came with a rush; benches and shelves were quickly stripped of their fragrant burden, whole gardens of gorgeous bloom melted away as if by magic, and by Saturday afternoon there were but few residences on the fashionable avenues that did not show a lily or azalea in the front window.

With better weather, the volume of business would doubtless have been much greater. All day Saturday a dispiriting east wind and rain prevailed and the detrimental effect must have been considerable, but the stock left on hand after it was all over was not large, and satisfaction with results was generally expressed.

The lateness of the season and consequent barrenness of the parks probably served as an incentive to plant buying, there being but little outside verdure to gratify spring yearnings. The green points of the tulips and hyacinths just pushing out of the ground were about the only intimations of coming beauty, and Citizen George Francis Train's striking button-hole combination of scarlet tulips and magenta azaleas had the field all to itself as this worthy strutted proudly up and down Madison Square.

Azaleas, lilies, hydrangeas and hyacinths constituted the main bulk of the stock. There was a fair sprinkling of hybrid roses, lily of the valley, heath, violets, daffodils, rhododendrons, metrosideros, kalmias, genistas, lilacs and astilbe, but with the exception of roses and rhododendrons they sold slowly. Genistas, once so popular, served chiefly to add brilliancy

to the store displays, and the public having found out that these showy plants as now grown are good for but a few hours or days at most, have become prejudiced against them, which is all the more deplorable because avoidable, as the genista is an admirable house plant when properly grown for that purpose.

Lilies varied greatly as to quality, and were slightly overstocked, but this was no special hardship to the retailer, who, finding the plants left on his hands, had only to cut them down and use up the stalks in his cut flower orders. Sashes and bows of pale blue ribbon were effectively used on the stems of the lilies, and the pots were fitted into white or light blue celluloid baskets, a great many of these being so disposed of. The sale of azaleas went away beyond that of any previous year. The pink varieties were the favorites; next in popularity came the bright red, and then the white. The azalea trade must have been extremely profitable to the retailers, judging from the prices obtained for nice specimens in the fashionable neighborhood, and it is not surprising that the florists had neither time nor inclination for cut flower work so long as the plant business prospered. Hydrangeas sold rather better than was the case last year; there was quite a fair demand also for hyacinths, lily of the valley and daffodils in pans and at astonishing prices, especially when fixed up with crepe tissue paper and a sash.

The use of these paper and ribbon decorations on flower pots was indulged in to a greater or less degree in most of the large stores. As is invariably the case with

such things, however, this craze is likely to soon overdo itself to death. In the hands of an artist with correct taste and dainty fingers, no fault can reasonably be found with a moderate use of such material, for a bare earthen flower pot is rather unsightly when associated with rich furniture, but by some florists it was employed to such an extent as to become positively hideous. A few such terrible examples as a pan of scarlet tulips swathed in a flaunting purple wrapper or a handsome white azalea almost smothered in tissue paper crinoline and still further degraded by the addition of a big bow of ribbon printed in calico patterns of red and blue roses, and we shall soon see the end of this fancy. In fact, if a plant is well grown and furnished with sufficient foliage, the less trimmings of any kind it has, the better, and it is safe to predict that the good old way of concealing the soil in the pot with a growth of green lycopodium will be followed long after the tissue paper craze has been forgotten.

Turning now to the cut flower trade, it is greatly to be regretted that the old story, told annually with the same moral, is still true, and that the baneful policy of holding back and storing cut flowers to be loaded on to the market all at one time was pursued on this occasion to an aggravated extent. What more can be added than has already been repeated over and over again as to the injurious results of this practice? There was the same old Friday demand which could not be satisfied because of insufficient supply of fresh and honest stock; the same old misrepresentation as to the quantity being cut, and the same old huge mountain of stock piled in on Saturday, much of it good, more of it bad; thousands upon thousands of half rotten violets whose rankness might be scented afar off; roses in advanced stages of decay, smelling of the vaults in which they had spent goodness knows how long a time; lilies worn transparent and flimsy with their long sojourn in dark cellars; crates of American Beauties, the fresh cut and the stale mingled together with crafty cunning, in the futile hope that in the rush they would all slip through undetected. How can any business prosper with such abuse? If the Easter cut flower trade is not what it should be this one detestable practice has done more than all other agencies together to bring it where it is. Combined with short sighted avariciousness as to prices it has well nigh annihilated the shipping business, and by throwing the entire production back upon the local market has demoralized the wholesale trade and practically put it into the power of a horde of street peddlers. Buyers and commission dealers have protested vainly against these reckless practices for years, and surely it is now time that intelligent growers who are obliged to hear their share of any loss which the trade suffers should for their own protection agitate this matter, and try to do something beyond merely asserting their own innocence.

The first trustworthy warning of the true state of affairs received by the wholesale dealers on Saturday morning was a telephone message announcing that a car load and a half of roses had started from Madison. Other sources of supply were soon heard from in like manner, and it was evident that there was to be another "pic-a-nic for da Greek." The receipts of roses, carnations, and violets throughout the day were enormous; there must have been stock enough for a whole week's supply left over in excess of all demands. Quite a lot of it could have been unloaded

on Friday if it had then been available, but after a busy hour or two on Saturday morning the limit was reached, and although the wholesalers all burned the midnight oil and offered goods at buyer's prices but little more was accomplished. The Greeks had it all their own way, for they pay cash, and the wholesalers realized that under prevailing conditions one dollar in the sale was better than two in the ice-box.

The Union Square plant market opened for the season at 4 a. m. on the day before Easter. There was a big turn-out of wagons and quite a brisk trade ensued. The buyers were mainly peddlers and representatives of the small stores. It was too disagreeable a morning for the public to venture out in any number.

A snatch thief robbed the money drawer of G. Villinni's flower stand on the corner of Sixth avenue and 59th street of about twenty dollars. The thief, J. W. Foster, was caught, but a confederate got away with the cash.

The fire at 663 Columbus avenue on April 12 did heavy damage to the stock of G. Polykranus, whose florist store was located in the building.

The sum of \$3,000,000 has been appropriated for the purpose of laying out two small parks in the overcrowded tenement district east of Broadway.

Boston.

The weather interfered sadly with the Easter trade, which Boston florists had looked forward to with so much expectancy. All indications pointed to a phenomenal sale of plants and flowers, and it was plain from the tremendous demand experienced on Friday, when the weather was good, that bright skies were the only missing element in the combination for Saturday. Wholesalers and retailers had all they could attend to on Thursday and Friday; in fact Friday was one of the best days the flower trade has seen in Boston for years. There were stupid growers, however, whom previous experience should have taught better, who carefully stored away a certain part of their stock throughout the week in anticipation of the great revival which was to occur on Saturday morning, just as they have done in years gone by, and with the same result, only "more so," for the stormy weather of Saturday and Sunday put a quietus on whatever energy there was left. So the immense boxes of carnations, roses, violets and lilies which their deluded owners regarded with so much confidence and hope remained unopened, their contents unsold, and not a little of their wasted product is still waiting for a buyer. Carnations were in great demand on Friday, and a much larger stock than was received could have been disposed of, that is, of marketable quality. Quite a considerable percentage from some growers was valueless, however, from long storing, and not only realized nothing, but brought trouble and embarrassment to all who had anything to do with it. Roses were in a similar plight. Then on Saturday they came in freely, but nobody wanted them. The lily trade was badly affected by the excessive prices asked in advance, which resulted in turning over the shipping trade to other and cheaper markets. When the price broke down finally it was too late to be of any use.

The plant trade was exceedingly good. In lilies, longiflorums alone were salable; Harrisii is of no value for this market at this season, and candidum has gone with the once popular calla into obscurity. The retail lily plant trade suffered consid-

erably from the competition of the department stores, which offered them at prices below possible competition. Azaleas were in greater demand than ever before; the sale confined principally to the small sizes, from \$3 to \$5 being about the outside prices customers were willing to pay. More good hybrid roses in bloom might have been sold, and there was a short supply of pæonies and rhododendrons. Bulbous stock was eagerly bought up, its cheapness being doubtless one great factor, for nice pans of four or five hyacinths could be bought for \$1.50. Anything larger than an 8-inch pan went very slowly, and a disposition to economize was very generally noted.

Chicago.

The Easter season was a record breaker at least in one respect, and that was in the volume of stock thrown on the market. An abundant stock was looked for by all well informed persons, but the most sanguine among them were surprised at the actual results. It upset many calculations, notably that as to Harrisii, the receipts of these being far larger than expected. Still on the whole the demand was nearly, if not quite, equal to supply in almost every line. In Harrisii there was not what might be called an overstock; at the same time lots were left unsold at the close of the market. The price on these, however, was well sustained. The largest bulk of good stock brought 13 to 15, and off grades 10 to 12. Tulips also, contrary to all expectations, were somewhat overstocked, the demand for these being rather light. Bulb stuff of all kinds was quite abundant, and sales rather slow, except Romans, which were none too plenty, with active demand.

The California shipment of callas had apparently no effect whatever on the market. This stock was held by Kennicott Bros. at a few points below local grown fresh stock, at which price it found few buyers. Fresh stock of the home grown article sold better than it has for several seasons past, and proves that the calla as an Easter flower is not entirely dead.

In roses the supply of Beauties was large and of excellent quality, in fact the best stock of this popular rose ever handled here at Easter. Bassett & Washburn and Reinberg Bros. handled the bulk of this stock, although there were many other fine lots. First quality extra long stemmed brought 3 to 4 per dozen, and medium grades 2 to 2.50. Hybrids were scarce; what little stock is grown for our market is nearly all cut out. F. Stielow sent in a few Baroness Rothschild and Merveille de Lyon of fine quality; these went at 25 to 30; Brunners 20 to 25.

The stock of teas was large, but on the whole not of a high grade. First-class stock, of which there was none too plenty, easily brought the top figures, 7 to 8. But by far the largest bulk was hardly up to grade, and this went at 5 to 6 and less for the poor stock. There was no particular shortage of any one variety, Bridesmaid, Meteor and Brides being heaviest in demand.

Carnations, heavy in demand and in good supply, ruled at top quotations from start to finish. In quality you had your choice; there was extra fine fancy at 4 (Hopp & Lemke's red seedling brought 6), fine extra commons at 3, and fairly good stock at 2. Very few of the poorest grades went as low as \$1.50. It was a great day for the carnation. Violets taken as a lot were of excellent qual-



HODGSON'S WINDOW.



A BIT OF WARENDORF'S COUNTER
EASTER SCENES IN NEW YORK.

ity, considering the season of the year, the best colored stock being those picked from frames. The demand was fully equal to abundant supply. The price for good quality was \$1 per 100. Mignonette was very slow, and marguerites also. Sweet peas, of which there were some fine Blanche Ferry, sold well at 1 to 2 per 100.

Smilax, which has been more than scarce since Christmas, turned up in surprisingly large quantities. The early part of last week the price was forced up to 35 cents per string, but as soon as a good supply came in dropped back to 20 and 25. Wood ferns are scarcer than ever; at present there are none at all in the market.

The wholesale dealers report an increased amount of business over last year. Shipping demand especially was heavy, and as usual proved an important factor in sustaining prices. Activity in this line commenced on Wednesday, Thursday and Friday being the heaviest days, the increase being variously estimated at from 20 to 30 per cent. Local demand, though fair and steady, was not much, if any, larger than last season. There was no such scramble for stock late on Saturday and on Easter morning as we were wont to see in former years. This was doubtless owing to the fact that all orders, having been placed in advance, could be filled in full, a thing that hasn't happened before in many a holiday season. The only shortage, and this not to a great extent, was in white carnations, more of which could have been disposed of. Numerous calls also for fresh violets on Sunday morning had to go unsatisfied.

The retail boys express themselves as satisfied with the trade in cut flowers, although few reports at hand give a marked increase of sales over last year. Harrisii and good quality Beauties took the lead. The former brought the usual price of 3.50 to 4 a dozen for the best stock. The best Beauties brought 6 to 8, with 3 to 5 for good medium long. Hybrids also sold well, but the limited stock of these cut very little figure. The larger teas, such as Bridesmaid, Meteor, Testout, Bride and Kaiserin brought 2 to 2.50 a dozen for selected; second quality of these and the smaller teas sold at 1 to 1.50 per dozen. The Klehm Nurseries sent in some extra fine Gontiers, which sold at wholesale at 8, and easily commanded 2 per dozen at retail.

Carnations sold well; fancy stock in Daybreak, Scott, Tidal, Helen Keller, etc., retailed at 1 per dozen, good common at 50 to 75 cents. Bulbous stock went slow and some stock was left unsold, notably in tulips, Dutch hyacinths and valley.

Memorial designs were conspicuous by their absence at all the principal churches. Loose cut flowers and plants in bloom have almost entirely taken their place. On the whole it seemed that most of the churches were not as lavishly decorated this year as formerly.

As to plants, all the dealers report a more than satisfactory business. The volume of trade in these shows a marked increase over last year. Some dealers report an increase of 20 to 25 per cent., while others almost doubled their sales. The stock in this line was plentiful, and of better quality than ever offered before. Harrisii headed the list as to largest demand in most places. These were sold according to the number of blooms and buds on the plants, and brought from 75 cents to 2 each, few plants being left unsold. Azaleas sold better than at any previous season. A. McAdams, E. Wienhoeber & Co., The Art Floral Co., E. Hobbs and others who had a large stock of fine plants sold out clean of every stock-

ble plant, realizing satisfactory prices. A. McAdams had a fine lot of genista, which sold readily. Cinerarias were in good demand, and Spiraea japonica, Dutch hyacinths, daffs, tulips and in fact everything in bloom went equally well.

As to the market this week trade is extremely slow, and unless a better demand springs up soon a glut, especially in roses, is inevitable. Prices are down in consequence.

Wietor Bros. will add about 30,000 square feet of glass to their establishment next summer.

Reinberg Bros. also contemplate building a large addition to their already mammoth range of houses.

At the meeting of the Florist Club next Thursday evening President Kidwell will read a paper upon the Easter trade in Chicago, and same will be discussed by Messrs. E. Wienhoeber, A. McAdams and others. There will also be a discussion upon the department store question. It promises to be the most interesting meeting of late years.

The department stores are being investigated by a special committee from the state senate pursuant to a series of resolutions, setting forth that department stores, or establishments in which all kinds of merchandise are sold under one roof, injure other merchants, tradesmen and property owners, and decrease the value of property. If the committee finds that this is the case, it is authorized to prepare a bill which will remedy the evils found to exist.

H. S. T. bbits has started as a florist at 915 Sawyer avenue.

Recent visitors: A. T. Boddington, representing Pitcher & Manda; P. Vos, of P. Vos & Co., Sassenheim, Holland; S. Skidelsky, representing M. Rice & Co., Philadelphia; John G. Heil, Terre Haute, Ind.

There is no question that the amount of stuff sold at Easter was immense, far larger than in previous years; the supply was very large, and though a good deal was in the hands of the wholesalers on Saturday, most of it went before Monday. There was a big supply of carnations, but the demand was even greater, and they all went. The increasing demand for carnations is a noticeable feature. While bulb stuff in pots sold well, the cut flowers did not; they had not moved at all the week preceding Easter, and the result was a decided glut.

But this week the market is utterly demoralized, and prices are nowhere. This stagnation is surprising, too, as the week after Easter is usually very gay socially, but there appears to be no decorating called for, and four days of bright sunlight has flooded the market with flowers. Roses are tremendously overstocked; while first grade Beauties stand at 25, they scale all the way down to 2 or 3. Ordinary roses run from 3 to 5, or they may be bought for 10 to 15 per 1000. A few fine Jacqs from Aug. Dressel bring 6 to 8. Hybrids are seen in good quality, but are selling rather slowly. Carnations do not suffer from such a glut as roses; whites are really scarce, and run from 1 to 1.50, with colors 75 cents to 1. Fancies are 1.50 to 2. Violets are growing very poor, but the best sell for 75 cents. A limited quantity of white violets come in, but do not sell. Outdoor lilac, very good, goes slowly at 25 cents a bunch, and is mostly sold on the street, in company with apple blossoms and narcissus from the south.

The display of flowers at the funeral of J. W. Scott of the *Times-Herald* was magnificent, and is said to be the largest and costliest ever seen in Chicago. While

there were some of the ugly and inartistic "symbolic" designs usually seen in such cases, the major part of the display was most artistic, the flowers being very choice.

Mr. H. A. Bunyard is still improving and will be able to sit up in a few days.

Buffalo.

The great flower festival of the year is past, and all the hopes and worries, the rattling good business and the usual reprimand, and the Easter of '95 is recorded in the humble history of the poor florist. No excuse needed for mentioning weather on this occasion. He that has 75 wagon loads, more or less, of flowering plants to deliver in two days must be excused if he gets a little anxious about the local forecast. Well, it was all right; if it was not ideal it was so much better than it might have been that we were all delighted, dull but not cold, and better than all not windy. Without any very accurate data to base my opinion on I would say that the bulk of the business exceeded that of last year by 20 per cent, and the increase was in plants. The expression was heard on all sides from customers on Saturday, "I never saw so many flowers in my life as there are in the city to-day." And the expression was an impression of the truth. A few of the leading Main street florists had wisely rented for the week large vacant stores, which enabled them to handle with much greater facility their large plant trade. Without their annex they could not possibly have taken care of their customers or disposed of their stock. We hear of a case here and there where parties loaded up too heavy with roses and had some left, and for the first time in our recollection there were lilies enough to go round and a few to spare, but on the whole it must be considered a most satisfactory Easter, and everybody did about all they had time to do. As our city adds about fifty thousand people to its population every year an increase in our business must be expected.

There is no doubt that the chief business was in plants. Longiflorum and Harrisii easily took the lead; all good buyers wanted a lily first, if they bought a dozen other plants afterwards; 25 cents per flower and bud was the ruling retail price. Next in value, if not in numbers, came the azaleas, from \$1.50 to \$8, and few of them were left. Well grown compact lilac sold well, and then it was go as you please, take your choice of hydrangeas, cinerarias, cytissus, Dutch hyacinths, pans of tulips, narcissus, lily of the valley, spiraea, and a few other minor articles, not forgetting a goodly number of medium palms, which sold well. The calla lily, once such a prominent plant at Easter, is scarcely heard of now, except as a cut flower. Liliun candidum seems to have passed out of existence; none were visible in this city. Hydrangeas want to be grown only in small quantities, and the public are getting tired of the bulky spiraea. Well grown pelargoniums sold well. There are thousands of people looking after a cheap plant, 25 cents is their limit, and a well grown hyacinth fills the bill like nothing else at the price.

Once again the carnation led in popular favor. There were plenty of good roses in opposition, still the carnation was easily the favorite, and for the first time Scott sold much better than Daybreak. In this locality it is those two first and the rest nowhere; 75 cents was the popular price for all varieties except Helen Keller, of which there was only a limited



SIEBRECHT & WADLEY'S DISPLAY

ALEX. McCONNELL'S DISPLAY.
EASTER SCENES IN NEW YORK.

quantity, and they brought \$1 per dozen. The supply of violets was abundant, and some of them very fine; \$2 per hundred was the price. Bulbous stuff went very slowly. When there are plenty of good roses and carnations at moderate prices tulips and daffodils have to wait. Our city is blessed with the absence of two elements which other cities complain of, no high class stores of any kind handle flowers or plants, and the street vender of flowers has not yet opened business in our breezy town.

The writer of these notes had to be content for the past ten days with a

report, a few times a day, of how business was going, having sprained his ankle on the 5th, and laid up in the house ever since. Pretty tough last week, yet in the darkest moments there is always the consolation that there is something to be thankful for. During the time he escaped an interview with at least 47 drummers, both foreign and domestic, mostly foreign. Buffalo has been over-run with them this week, as Egypt was with locusts. I could not begin to name them all; a few of their names I gleaned. There was Mr. Will Allen and Mr. Rolker of New York, Mr. Ingram of London, Messrs. Van Zan-

ten, Beerhorst, Blaauw, Goemans and Van Schee, from the land of black sand and ditches, and a variety of others. W. S.

St. Louis.

Easter trade was much better this year than last, but good stock was very hard to get. About a week before Easter flowers were very plentiful and very fine, but dark and rainy weather set in and made roses very small.

Harrisii plants were the best seen for many years and in great quantity; the plants retailed at from \$1.50 to \$3.50

each, ranging from 6 to 18 blooms on a plant; of course those with 18 blooms were not on single stems, they had three spikes to a pot. There was plenty of other plants, and of good quality.

Cut carnations were very scarce and brought \$2 to \$4 per 100. Bride, Bridesmaid and Meteor were \$6 to \$8, Perle and Wootton \$4 to \$5. There were a few tuberosa stalks in market and they brought 15 cents per stalk.

Miss Mary Ostertag has removed from her old stand on Olive street to her new store on Grand avenue; she has a very pretty place; it is a greenhouse with a round top covered with ground glass, divided in the center by a glass partition; the front is used for the decorative and small blooming plants and the back is used as the store.

One of the most graceful and pretty wedding decorations of the month was put up Monday at Mr. Hoffman's residence. The hall was very prettily draped with smilax and white lilac, on the newel post was a basket of Beauties and adiantum ferns; the screen for the musicians was of smilax and white lilac. In the west parlor of the house, in which the ceremony was performed, was a very large and delicately arranged canopy of smilax and Harrisii lilies. The background was draped with smilax and lily of the valley, and the mantel banked with adiantum, Beauties and lilac. The bride carried a large bunch of valley, and the bridesmaids' bouquets were of white lilac. The decoration was executed by Ayers Floral Co. and was admired by all.

R. F. T.

Philadelphia.

April 14 (and a more beautiful day would be hard to imagine) has come and gone and the worry and excitement of Easter is over. The weather of the week was fine, with the exception of Monday and Saturday, which latter was anything but a good day for shoppers, no doubt many a plant left standing on the tables would have been sold but for the rain. It rained all day, often pouring; toward evening it let up a little and business became more lively. From different reports it would seem as if the volume of business was about the same as last year, no great increase in demand being noticeable. It seemed at one time as if the supply of lilies would run short, but it turned out there were plenty and to spare. Nearly all the growers have cut lilies to sell, stock leftover and belated crops, of which however there are not many, will furnish a supply for a week or two to come. Hydrangeas seem to have lost their novelty, for while the plants offered were very fine they did not sell as well as formerly, and quite a number were left. Fine azaleas were also to be seen about the stores Easter Monday, but take it all in all there is not much to complain about.

In the cut flower line Brunners and Jacks sold very well. Anderson had the Brunner market to himself, there being no others of consequence. His stock too was very fine, and just on time. Other roses sold well, Brides leading. The prices were not raised to any great extent, except in a few instances, the growers for the most part being satisfied with the prevailing rates. Brunners brought \$5 per dozen, Beauties 2 to 4, the large teas 8 to 10 and the small stock 4 to 6, Jacks, mostly from Colflesh, 12.50 per hundred. Carnations were plentiful at prices ranging from 2.50 to 4 per hundred, the quality ran from medium to extra fine, Christy sending some excellent

stock. Bulbous flowers with the exception of valley went slow, outside single daffys were to be seen in large quantities at from 50 cents to 2 per hundred. Tulips brought 4 and poor sale at that. Cut Easter lilies were to be had in quantity, 10 per hundred being the price, the same as on the pots; there was no difference between Harrisii and longiflorum, both selling for the same figure. There were quite a number of violets about, but they were small. The Lady Campbell is showing up better now than Marie Louise, it being much larger and more fragrant. The small violets are nearly done. Arbutus is in and sells well.

Since Easter business has been very lively on account of the many weddings. Awnings are to be seen on the residence streets in all directions, and florists' wagons are kept going lively, loaded with decorative plants.

The April meeting of the Penna. Horticultural Society was held at the New Century Drawing-room Tuesday evening, and was fairly well attended. The forestry section had charge of the meeting, and papers on trees and their care, etc., were read and discussed as follows: "The orchard and its care," by Prof. E. B. Voorhees of Rutgers College, N. J. "The culture of nut bearing trees," by Mr. Franklin Bartram, Cornell University, N. Y. "Trees for a country place," by George F. Curwen, Villa Nova, Pa., read by John Curwen Jr., and "Trees for city streets," by Col. Burnett Landreth of Philadelphia. The different sections are providing very valuable papers, prepared and read by persons who are authorities on the subjects selected, but they are doing almost too much, as the meetings rarely now adjourn before 11 p. m., and the business of the society is transacted after the papers are read, and there is scarcely a quorum left, four papers in one night is about two too many.

The last game has been rolled on the alleys as they are at present; the old building is being demolished to make room for the new, and it will be a year at least before the new structure can be finished. In the meantime it is proposed to get a room in the neighborhood, and make a headquarters where the club can meet, and where the boys can get together for a good time once a week as of yore.

Paul Berkowitz of H. Bayersdorfer is drumming up trade in California, and has been very successful thus far. K.

Cincinnati.

After a Lenten period, which has not been nearly so dull as usual, a good Easter was naturally expected, and with few exceptions the Cincinnati men express themselves as greatly satisfied. Some of them report trade greatly increased over that of last year, and in no case was it less. A very large quantity of stuff was sent in, and a majority of the wholesalers found themselves pretty well sold out on Saturday night. One large wholesaler says his sales were fully 30% greater than last year, and as no one complained that his trade was less than previous Easters it is reasonable to infer that it would average an increase over former years. On the whole flowers were very fine, indeed every festival of this kind proves that the Cincinnati market emphatically demands good flowers and has no place for poor ones. The florists say that the call for any sort of designs is now very small. Formerly they made a good many memorial designs for Easter church work, but this year they were very few; a great

many plants were sold in their place, or else cut flowers.

Lilies were naturally the leading Easter flower, and the quantity sold in and about Cincinnati was certainly tremendous, much larger than last year. In addition to cut flowers they formed a favorite pot plant; few if any were left over, the supply was short by Saturday afternoon. The standard price for lilies was \$15 a 100; some few were sold higher in small lots, but that was the prevailing price. Earlier in the week some were sold for \$10 and \$12. Some of the growers had an idea that they might be overplentiful, but such was not the case, perhaps the market might not have taken any more, but all in were sold readily. The dealers were singularly unanimous in prices. The scale was about the same all over the city, so far as wholesale men were concerned. There was little difference from the prices of last year. Roses were very good, some few growers held back their stuff, rushing in nearly all the week's cutting on Friday and Saturday, to the detriment of quality and consequently of prices, but there was hardly so much of this as usual. There were some superb Jacqueminots and they sold well, as this rose always does when really good; they varied from \$10 to \$25 per 100. R. Murphy of Delhi, who has always enjoyed a reputation for this rose, sent in remarkably fine flowers. La France varied greatly in quality, and consequently in price, going all the way from \$6 to \$25 per 100. Perle \$6 to \$8, Bride, Bridesmaid and Mermet \$8, \$10 and \$12; some sold for more, but not many; Watteville the same; Bon Silene, Gontier \$6 to \$8. Hybrids averaged \$40 per 100; some few very fine ones brought more, but a good many brought less.

Carnations were not so plentiful as usual; they sold for \$3 to \$5 per 100. Tulips, which seemed almost a drug a week before Easter, were not overplentiful at that date; they brought \$3 to \$4 per 100; lily of the valley \$4. Violets were scarce, in fact there were very few to be seen. Beauties were fine; Corbett & Wilson disposed of 600 of the finest flowers of this variety seen in this market for many an Easter at \$4 to \$6 per doz.

Church decorations, while presenting no specially new features, were certainly more elaborate than in former years, and there was a largely increased use of flowers on the part of the churches which formerly made little display in this way. Similarly there was an increased trade from people who are not ordinarily flower buyers. The sale of flowering plants was very large, many of the churches buying the majority of those used in decorating, and distributing them to the hospitals afterwards. Lilies led among pot plants as well as cut flowers, next came azaleas, hydrangeas and pot roses. There is no doubt that the sale of plants, large though it was, would have been still larger if Friday had been fine, but it was blustery and threatened to rain; the florists could not make any display outside, and a good many buyers did not venture out. Saturday there were showers in the afternoon, but in spite of all these disadvantages trade was certainly excellent.

It will be noticed that no fancy prices were realized. Prices were really moderate, but as I heard a few of the dealers say, people are more ready to buy at Easter, because they can show something for their money. All the florists' stores were finely arranged, many of them making a regular exhibition. In fact all the large retailers made very fine displays.

P.



AMONG THE 28TH STREET WHOLESALERS.
EASTER SCENES IN NEW YORK.

Washington.

The weather bureau must have been at "outs" with the Washington florists, as the rain poured in torrents from early Saturday morning till past noon, which interlarded with Easter trade to a marked extent, but notwithstanding this Easter sales, on an average, will equal, if not surpass, those of last year. In both the stores and the markets was a profusion of all kinds of flowers. I doubt if any former Easter had a better show of bloom, and all were of excellent quality. The supply of flowers was far beyond the demand, except carnations. The

market was glutted with bloom, especially was this true of Harrisii lilies, and yet the prevailing price was \$2 per dozen. Thousands were sold at that price, while some were asking \$3, and disposed of their stock the entire day at that figure. There isn't a doubt but that if all had kept their prices up to \$3 there would have been just as many sold. In the matter of cut flowers I am told carnations took the lead, with violets as a second, and roses a good third. The quality of these was exceptionally good.

There was a good demand for blooming plants, *Lilium Harrisii* taking the lead. Hydrangeas were also in good demand,

bringing from \$2 to \$15 each. Good plants of genista were in fair demand, and selling from \$3 to \$10. Plants of lilac with from 4 to 6 spikes of flowers were quickly taken up at \$4 each. Brunner and Magna Charta with flowers in 6-inch pots were in good demand, bringing \$1.50. There was ready sale for valley in pans, having from 9 to 12 flowers, for 75 cents a pan. Large plants of marguerites sold well from \$1 to \$5, the prevailing price being from \$2 to \$4. Ferns (*adiantum*) in pans sold well, bringing from \$2 to \$5. There was practically no sale for *Astilbe japonica*, though there were quantities of it on the market.

Several of the florists put forth their best effort to make their store windows the center of attraction, while their stores were filled with foliage and blooming plants of all the varieties in demand. Small & Sons had a very attractive window representing a woodland scene. Branches of trees entwined with vines, from which hung orchids in bloom, served as a background, while the foreground represented a miniature garden, the groundwork of which was maidenhair fern, with beautifully made gravel walks, and a fountain for a center in full play.

Gude Bros. also had a very beautiful and attractive window, representing the advent of spring. Spring is represented by a maiden fair in a chariot of white with ribbons in her hands controlling a flight of doves. The remainder of the window was filled with lilies, bunches of white roses, white carnations and maidenhair ferns.

C. Strauss & Co. had a brilliant red window. The window was lined entirely with ruby red, with handsome cut glass vases filled with Emily Pierson carnations; and a central vase filled with magnificent Golden Gate roses. J. R. Freeman had a fine window display of flowering plants; magnificent specimens of white azaleas, white tulips, white hyacinths, Harrisii lilies and maidenhair ferns composed this most attractive display. C. F. Hale, J. L. Loose and N. Studer's windows were filled with blooming plants.

As to the volume of trade, some report an increase, others say it was about the same as last year. Prices showed a slight advance. Supply was up to demand in everything but carnations. Quality was better than last year. The sale of blooming plants was fully three times as large as last year. In cut flowers there was a decrease in the demand for roses, and a corresponding increase in the call for carnations. There was a marked falling off in the demand for bulbous stuff. Sweet peas were plentiful, and bringing 35 to 50 cents per dozen. Asparagus 75 cents to \$1 a string, very fine and demand good. The demand for smilax was unusually good, the supply was scant and the quality poor. There has been but little grown about Washington this season, which I think was a mistake on the part of the growers, for the demand has been good all season. In fact all first-class flowers, except tulips and jonquils, sold well. For color, white seemed to take the lead in all flowers.

REYNOLDS.

Worcester, Mass.

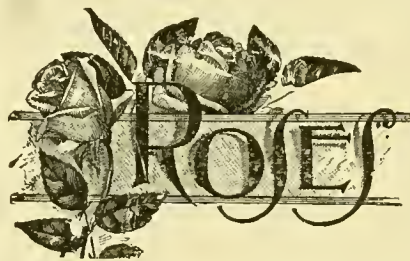
Plenty of wind and rain was what the weather clerk sent us for Easter Saturday, and he made about as wretched a day as possible; it is difficult enough to deliver lily plants in fine weather with plenty of time, and get them to their destination in good condition, but when the wind mistakes the blooms for weather vane, and you have to hustle over jolting pavements and ill-kept roads, it takes a bloom of remarkably stiff texture to stand it without looking like a bunch of wet rags when you get it there. Probably more stuff would have been sold had the day been more favorable, but as it was there was not much of a surplus, and the trade showed an increase of about 20% over last year.

The plant trade was very large, and quantities of bulbous stuff, spiræa, azaleas, lilacs, cinerarias, cyclamens, etc. were disposed of, and the bulk of the lilies sold were also in pots. Although the supply of flowers was greater than last

year it was very short in certain kinds, the demand for carnations, always large, was bigger than ever, violets were also in great demand, and the supply fell short early in the day. Jacks sold at sight, but other roses went rather slow, which was remarkable, as the demand was mostly for white or light colored flowers. Everybody grew more lilies last year, but we didn't have enough to go around. Harrisii and longiflorum retailed for \$3 per dozen, candidums \$1.50, Mermets, Brides and Perles \$1.50 to \$3, Jacks and Magnas \$3, carnations 60 cents to \$1, valley 50 cents to \$1, tulips, hyacinths and narcissus \$1.50, mignonette 50 cents to \$2, violets \$2 per 100, and other stuff at regular prices. The bulk of the lilies used were Harrisii, though longiflorums were used, where possible, for out of town shipments; no Bermuda grown blooms were seen by your correspondent.

The monthly exhibition of the Horticultural Society was held April 11, but owing to the nearness of Easter the display was not as elaborate as usual, although the exhibits that were shown were all excellent, with the exception of narcissus, which were very poor. Very good hyacinths and tulips were shown by Edward Hall and Mrs. H. M. Chase, splendid zonal geraniums by M. F. Briery and H. B. Watts, and F. A. Blake and Mrs. A. A. Hixon each displayed twenty vases of well grown cut flowers. The keenest competition was in the baskets of cut flowers, and resulted in F. A. Blake winning first, H. B. Watts second, Mrs. A. A. Hixon third, and Mrs. Thos. Ward fourth. The display of apples was especially fine.

A. H. L.



Brides Not Doing Well.

ED. AM. FLORIST: I mail you a sample of my Brides, which I have been having some trouble with. They are planted in a good heavy clay soil and in with the Bridesmaids. The latter have not been in the least affected and are in fine condition, and have been so all along. The Brides are only affected in spots, the rest, while not in as good shape as the Maids, are healthy and are coming into bloom all right. Have been careful with water and ventilation and have used liquid manure carefully. House light and clean. Have tried night temperature of 56° to 60° and am at a loss to know what to do.

F. D. R.

The sample plant of The Bride received from your correspondent F. D. R. is somewhat of a poser. The roots, as far as I could judge from the somewhat dried up condition it was received in, appeared quite healthy but the branches showed indications of disease. What is the direct cause is rather hard to determine from the description sent. It looks something like a case of consumption, or, to be more explicit, as if the plant during some stage of its existence had been subject to injudicious treatment. Such a condition as these plants appear to be in can be produced by subjecting the plants to too much heat, and over-watering, particu-

larly during the very early stages of the plant's life, and is often the result of such treatment in the propagating house. I do not wish to be understood that such is the fact in the present case, as it may arise from a totally different cause, but that such conditions are produced from the above causes is an acknowledged fact. The same conditions may also be produced by over-watering during cold, cloudy weather. In the present case it can hardly be that, as your correspondent says that other plants growing alongside and subjected to the same treatment are perfectly healthy, unless these certain plants affected may have been situated near a drip from the roof; such cases do sometimes occur without being noticed particularly and I would advise F. D. R. to watch carefully during the next heavy rain for drip.

There is just another chance which may be the cause, namely, these plants being perhaps the smaller, and consequently absorbing much less water, while the larger and stronger plants alongside may take what is given without injury while the weaker plants succumb from too liberal an amount of water. If this should happen to be the trouble in this case the remedy would be a little less water at the root, which means more care in watering so as to give the affected plants a chance to recover their health. JOHN N. MAY.

Roses to Grow With Carnations.

ED. AM. FLORIST:—Will you please give the names of four of the best varieties of roses to grow in a house with carnations. I would like to grow one variety each of red, white, yellow and pink. Will you also please state how old the plants should be and about how large?

Cresco, Ia.

W. B. PERRY.

Replying to your correspondent W. B. P., presuming that he intends to run his carnation house at about 50° at night, would suggest the following varieties of roses: For red, Souvenir de Wootton; for yellow, Perle des Jardins; for pink, if large buds are wanted, Bridesmaid, but if smaller buds are equally desirable but in much greater quantity, then take Madame Cusin; for white take Bride for large buds or Niphetos for smaller.

To grow these plants and get them to produce a fair proportion of flowers in such a temperature requires a treatment quite different from that usually followed in forcing roses. They should be planted not later than July 1, should be good commercial stock from not less than 3-inch pots. Grow them on liberally till about September 1, then gradually reduce the amount of water given at the roots, so as to get them accustomed to the temperature suitable for the carnations which are to occupy a part of the same house; presuming that it is intended to plant the carnations in the usual way, middle to end of September, by this time the roses should be somewhat checked in their growth, so that they will stand the treatment necessary for the carnations, which means more air and slightly less humidity in the house at any time than is usually given for roses. If the roses have been handled as above they will by the time the carnations are housed show a firm solid wood and be in good condition to stand the same treatment as the carnations, that is if the carnations are treated as they should be.

From this time on the roses will take considerably less water than formerly, in fact they must be held on the dry side all the time, letting the soil get quite solid

before giving water, and then only just enough to moisten the soil through. This also should always be given early in the day (and on bright days if possible) so as to get all surplus moisture dried up before night. Treated thus really fine roses can be cut all winter. Of course it is hardly consistent to expect as many as could be produced in a little higher temperature with more moisture, etc., but what is deficient in number will be made up in quality. Some care will be necessary in early fall to prevent mildew getting a start, but if they are treated as above and the wood is gotten into good firm condition before the cold weather comes on this can be avoided at all times as in their solid, firm condition they will stand an abundance of air with impunity, providing always that they are never over-watered.

One other thing I should add, the soil at the roots of the roses should be made as firm as possible soon after planting. This is very important when running roses on the cool side, as it helps to prevent an extra amount of moisture around the plant. The more solid the soil the quicker it will dry out. These should be grown on steadily under this treatment all winter, then toward spring, say end of February or early in March, give them a liberal mulching of manure, but continue the same treatment as before so far as water and air is concerned; by April of course they will take a much larger proportion of water, but care must be taken not to get the growth too soft at any time or the result will be virtually a failure.

JOHN N. MAY.



Carnation Notes.

Who ever dreamed that from the progressive city of Boston should come the remark, "would be better satisfied with carnations of moderate (mark well this word, moderate) size" even though the proviso follows, "with better keeping qualities," and this, too, from Long. Now Long, I never thought this of you, for if I am not mistaken you have always been in the lead; nothing in the shape of a flower could be made too large for you, nothing too fine. Don't let those intellectual Bostonians hear that you or any other florist of the Hub is willing to take a step backward in the march of improvement. It is only during the past few years that the carnation has received the attention which it deserves, the higher development of the flower has met with great obstacles similar to every industry in which greater or higher results are desired. If a young man applies his every energy in one direction, working with all his power to perfect himself in that one line, it must be at the expense of some other faculty, and his full development of mind and body is not complete until he is somewhat advanced in years. So with the higher development of the carnation; we have large flowers, long stems, but the keeping qualities are lacking with the product of many growers. This is only one of the obstacles which we have to meet in the improvement of any plant or flower we may be handling. This trouble can be and is overcome, for I know that some of the largest and finest flowers

going into the New York market are keeping much better than some of the poorer grown. Carnations, whether large or small, will not keep well if picked when the soil is dry and the plant is in a wilted condition; they will not keep well if picked after the sun has been on the plants on a warm bright day, for then in spite of all the water you can give them, the plants will be a trifle limp. This applies more especially to this time of the year. I have found that the keeping qualities are much improved by picking early in the day and before the sun is out very long. Some will say that where there are a great many flowers to be picked it can not be done in time, to this I will say get out a little earlier in the morning, or keep more help. If flowers are worth growing at all they are worth growing well. To produce large bloom demands a strong growth of the plant, and this strong growth will suffer more from a lack of water than weaker plants, for a check to the plant means a corresponding check to the bloom, and it is often during this check that poor-keeping flowers are picked; in other words if a flower is picked when the plant is suffering from thirst it suffers as to its keeping qualities. We are syringing our plants several times a day during bright weather. Why? Simply because the foliage demands it for the life of the plant. Is it not a fact that the plant received much of its nourishment through the foliage, and if the house and leaves are dry where is the nourishment to come from? Now I find that when the glass on the inside of the house is dry the plants need moisture in the shape of a fine spray. Whether my flowers suffer from this treatment I will leave others to judge.

Some of our Boston retailers say we are forcing too much, too high a temperature, etc. Now on a bright clear day at this season let the mercury register 80°; quite a drop to 50° at night. Try it. Your plants won't suffer, if (mind this little word, if) you have plenty of good fresh air and water, but look out for dark days, 60° is high enough. I am somewhat of the opinion that our friends Doyle, Long and Finlayson have just started this agitation on the non-keeping subject to set the growers to thinking, and not only thinking but working to produce better stock. How these three chappies would kick if the flowers came to them of moderate size. How they would cast contemptuous looks at the growers and tell them they were no good, better go to growing cabbage! How all, or most all, retailers kick when as the days grow brighter and the sun gets hotter the flowers begin to dwindle in size. Nevertheless I guess we can thank our Boston friends for telling us what we are not doing.

CHARLES H. ALLEN.

A CARNATION recently received from Mrs. I. E. Bailey, Swampscott, Mass., was certainly double enough for the most exacting. It was Mrs. Fisher and contained, in the center of the bloom, a second flower, perfect in every respect, even to the green calyx.

Novelties.

I have been instructed and much amused in my reading of the FLORIST for April 6. Instructed by the reports of essays, and much amused by the difference of opinion, given by two leading and well known gentlemen in the business.

In Mr. May's essay on page 902 regarding novelties he asks the Philadelphia people who would buy to-day the old fashioned roses, Bon Silene, Satrano,

Sprunt, etc., saying he thought one would get hardly enough for car fare back home if living not over twenty miles from the city; and the same evening before the Boston club Mr. Doyle expresses the opinion that the above mentioned roses could be sold on the Boston market with profit.

Now when the doctors disagree who is to save the child? The question is, can we who live further north live on less than our Philadelphia brethren (I think there is no doubt we have to), or is the Boston public more sentimental over the roses our fathers sent in their courting days?

As regards Mr. Doyle's position I hardly think the aforesaid roses can now be grown with profit for the Boston market. Twenty-five years ago when the Bon Silene, etc. were the roses, the profit then was in the spring months, March, April and May, as in the way the roses were then grown not an exceedingly heavy crop was cut earlier than March. Roses were then grown cool and with air. Now they are boiled out in a stove house temperature. They don't keep, and if one tried to put the same substance in the smaller sized roses, Mr. Doyle would quickly say, "No you don't, Jack, they won't go with us!" Roses are not very profitable in the spring months now, and the little ones would have to take a back seat I fear.

Now a word about carnations keeping. I go in town to Mr. Doyle's store, open my box of carnations, they are looked over. "I guess we don't want any to-day." "Why not?" "Well, we can buy larger ones of the same kind for the same money." I go out thinking—"Larger ones for the same money! Well, if the other fellow can grow larger ones I can." I bring in the larger ones, sell them, next morning hear the first morning's remark, "Don't want any." "Why not?" "Oh, they go to sleep." It seems to me the grower is between the "Devil and the deep, deep sea." If he grows them right they are not large enough, if he gets them large enough to suit the consumer they go to sleep.

As far as I can judge the public, the dear, dear public, want the large, larger, largest roses, carnations and cabbages, and we must continue to boil them out or bust.

One word about the "Leaks" by Mr. Mepsted, at the bottom of the second column, page 905, if I understand him, he condemns the man who makes up the eight dollar pillow with two dollars and fifty cents worth of flowers. Great Scott! I should judge him a floral artist of no mean merit. Why, there have been instances of pictures being sold for twenty thousand dollars, for which ten dollars would pay for the paint, but the balance was for talent. Give me the artist who can create from small things.

Dorchester, Mass. L. H. FOSTER.

Import Duties.

The Treasury Department has issued the following circular letter of instruction to collectors under the heading "Classification of so-called nursery stock, and of plants chiefly used for forcing under glass for cut flowers or decorative purposes, imported under the provisions of the act of August 28, 1894."

WASHINGTON, D. C., March 30, 1895.

To Collectors and Other Officers of the Customs:

For the purpose of securing uniformity at the various ports in the classification of imported nursery stock, and of plants

chiefly used for forcing under glass for cut flowers or decorative purposes, attention is invited to paragraphs 234½ and 587 of the Act of August 28, 1894, which provide as follows:

Paragraph 234½. Orchids, lily of the valley, azaleas, palms and other plants used for forcing under glass for cut flowers or decorative purposes, ten per centum ad valorem.

Paragraph 587. [Free list.] Plants, trees, shrubs and vines of all kinds commonly known as nursery stock, not specially provided for in this Act.

The following lists of plants, *Class A*, covering nursery stock entitled to free entry under paragraph 587, and *Class B*, covering plants, either specially provided for in paragraph 234½, or recognized by florists to be chiefly used for forcing under glass for cut flowers or decorative purposes, and dutiable at the rate of 10 per cent. ad valorem, are published for ready reference and for the guidance of Collectors in the classification of such importations.

The subjoined list is copied from a list which was submitted to the Board of General Appraisers and approved by them:

CLASS A.

The following plants, trees, shrubs and vines of all kinds are generally grown and used as nursery stock, principally for planting in the open ground, and are not chiefly "used for forcing under glass for cut flowers or decorative purposes." (Free of duty, paragraph 587.):

- | | |
|---------------------------|---------------------------|
| Aconitum autumnale. | ies Charles X, Marie |
| Althæa. | le Graye and Rubra de |
| Ampelopsis Veitchii. | Marly, <i>pot grown</i> . |
| Andromeda. | Lychnis. |
| Anemone fulgens. | Magnolia. |
| Anthericum liliastrum. | Mahonia. |
| Aristolochia. | Manetti stock. |
| Aucuba, green leaved | Multiflora rose stock. |
| kinds (other than ja- | Pæonia. |
| ponica). | Philadelphus (mock or- |
| Begonias, tuberous. | ange). |
| Black Hamburg Grape | Pinks, hardy. |
| Vines and other fruit- | Primula (except the spec- |
| ing vines and trees. | ies known as P. sinen- |
| Calycaanthus. | sis and P. ohconica). |
| Cannas. | Ptelea. |
| Clematis. | Pyrethrum. |
| Cornus mascula. | Rhododendron. |
| Crataegus. | Snowball (viburnum). |
| Cytisus or laburum. | Spiræas, except Astilbe |
| Daphne cneorum | japonica. |
| Delphinium (larkspur). | Staphylea colchica. |
| Deutzia. | Tarragon plant (Artem- |
| Dielytra spectabilis (Di- | isia dracunculus). |
| centra). | Weeping trees. |
| Doronicum. | Wiegela. |
| Forsythia. | Wistaria. |
| Gaillardia. | Yucca. |
| Hemerocallis. | All deciduous trees: Ma- |
| Helleborus niger (Christ- | ple (Acer), elm (U- |
| mas rose). | mus), linden (Tilia), |
| Hollyhock. | horse chestnut (Æscu- |
| Hdrangea. | lus), etc. |
| Iris (all species). | All evergreen trees: |
| Kalmia latifolia. | Spruce (Abies), arbor |
| Lilacs, except the varie- | vitæ (Thuya), etc. |

CLASS B.

The following "orchids, lily of the valley, azaleas, palms and other plants" are chiefly "used for forcing under glass for cut flowers or decorative purposes," and are not used to any appreciable extent as nursery stock for hardy outside planting. (Dutiable, 10 per cent. ad valorem, paragraph 234½.):

- | | |
|----------------------------|---------------------------|
| Araucaria excelsa. | Lælias, Odonogloss- |
| Aucuba japonica. | sums, Dendrobiums, |
| Azaleas. | Oncidiums, Phalenop- |
| Cactus. | s, Vandas, etc. |
| Camellia. | Palms, all, such as Ken- |
| Carnations, monthly (Di- | tias, Latanias, Seafor- |
| anthus caryophyllus). | thias, Arecas, Cocos, |
| Chrysanthemums. | Raphis, Chamærops, |
| Cycas. | Rapah, etc. |
| Dracena canes. | Primula sircensis and P. |
| Erica. | obconica. |
| Ferns. | Roses, all kinds. |
| Lapageria. | Vallota purpurea. |
| Laurus nobilis. | Lilacs, Charles X, Marie |
| Lily of the valley. | le Graye and Rubra de |
| Marguerite (Chrysanthem- | Marly, <i>pot grown</i> . |
| um frutescens). | Spiræa japonica (Astilbe |
| Orchids, all, such as Cyp- | Japonica). |
| ripediums, Cattleyas, | |

C. S. HAMLIN, Acting Secretary.

Springfield, Mass.

Quite a sensation was caused among local florists recently by the disclosure that Frederick S. Folwell, until recently head gardener for Anson Phelps Stokes, at the latter's place in Lenox, was a defaulter to the amount of \$7,000. His whereabouts at the present time are unknown.

The Holyoke Horticultural Society met April 5 and voted to hold its first show of the year about the middle of June. Roses will be the prevailing flower. E. H. Howland gave a short talk on "How to beautify our homes."

Fairfield will begin work shortly on a new house for carnations. The Wilkinsons are preparing to grow violets exclusively for the wholesale trade.

Mrs. W. H. Pinney gave an interesting talk on the insects destructive to plant life at the meeting of the Amateur Horticultural society April 5. F. W. J.

Greenhouse Building.

H. H. Cooke, Lenox, Mass., palm house and potting shed, each 70x30; rose house, plant house and grapery, each 100x20; violet house and propagating house, each 100x10; mushroom and cool house 100x30. All iron frame; Thos. W. Weathered's Sons builders. L. Strouse, Arlington, Md., plant house and rose house, each 50x20; potting shed 20x20. All iron frame; Thos. W. Weathered's Sons builders. L. G. Bloomingdale, 153 E. 59th street, New York, one greenhouse. H. H. Furness, Chester, Pa., one greenhouse. Alley & Filliettaz, Bar Harbor, Me., one greenhouse. Ames Bros., South Sudbury, Mass., three commercial houses. T. M. Mauk, Carlisle, Pa., one greenhouse.

Pittsburg.

Mr. A. W. Smith has taken the Sixth avenue store of Patterson Bros.

Mr. J. B. Murdoch was recently married to Miss Sadie Sneithen. Mr. Fred Burki and Miss Ida M. Voelp were also recently united in marriage. M.

W. B.—We think you need not fear any ill results to you from the circular sent us. The vulgarisms it contains cannot fail to repel people of refinement such as buy flowers, and it will surely do the party more harm than good.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—In a retail store by a young man of 20; best of references. Address NEW YORK, care American Florist.

SITUATION WANTED—First of May by a well experienced grower of roses, carnations and "mums." Address FLORIST, care Henry Vollmer, Bowmansville, Ill.

SITUATION WANTED—By florist and gardener, 20 years' experience in private and commercial places; married, small family. Address W. J. CLINTON, Downer's Grove, Ill.

SITUATION WANTED—By a single American 27 years of age, temperate; 12 years' experience as a rose and carnation grower; references, present employers. Address J. T. BRESEE, Chicago.

SITUATION WANTED—As foreman in commercial place; thoroughly understands growing roses, carnations, violets and all kinds of florists' stock. THOS. MCKENZIE, 439 St. Clair St., Cleveland, Ohio.

SITUATION WANTED—As all-round florist, growing roses, carnations, chrysanthemums and general greenhouse plants; also palms, ferns, orchids; single, 19 years' experience. A. B. care Am. Florist.

SITUATION WANTED—German, 23, single, eight years' experience with general greenhouse stuff, various position where some cut flowers are made up and landscape gardening done; best references. E. LAMPRECHT, Ashland, Ohio.

SITUATION WANTED—By young man, single, as assistant in private or commercial place; capable of taking charge, but prefer to work under instructions; best of references. Address T. K. 67 Bromfield St., Boston.

SITUATION WANTED—By a thorough, practical florist and designer, A No. 1 rose grower; carnations, violets, especially; age 35; very best references; commercial or good private place. Address E. B. 60 E. Main St., Springfield, Ohio.

SITUATION WANTED—By an American, age 23 years; 10 years' experience in plants and cut flowers and mail trade; sober, industrious, fair designer and salesman; references. Address "M," care of J. E. Bousall, Salem, Ohio.

SITUATION WANTED—A young man wishes a situation as landscape gardener; fully experienced; has had his education in Europe; good references. H. H. VORNEVELD, ROSLIN CONSERVATORIES, So. Framingham, Mass.

SITUATION WANTED—By a first class florist, German, married, no children; excellent knowledge in growing roses, carnations, cut flowers, general stock and design work; references; private place preferred. Address A. S., care American Florist.

SITUATION WANTED—As foreman in commercial or private place by German, married, 15 years' good practical experience in cut flowers, pot plants, landscape work and all other parts of the trade; best of references; state wages. Address "A. Y.," care American Florist.

SITUATION WANTED—As head gardener, or good second private place; English, life experience, competent; fruits, flowers, vegetables, greenhouse, lawns, landscape work, best reference. Address, particulars, G. M. STRATTON, 2715 Golden Gate Ave., San Francisco, Cal.

SITUATION WANTED—By a first-class design maker of Dutch nationality and 25 years of age; years' experience in Holland, France and Germany; wishes a steady position in a flower store as foreman in a town or city; has worked for Mr. Galvin, Tremont St., Boston, Mass., who will give any information concerning his work. HENRY C. DE QUAIT, 277 Concord St., So. Framingham, Mass.

WANTED—Wholesale price lists. Address THE V. A. VANICEK NURSERY, Newport, R. I.

WANTED—A quick, reliable young man for the mail plant business in the west. R. R., care American Florist.

WANTED—A few hundred dormant roots of Canna Star of '91. Address WESTERN, care American Florist.

WANTED—A young man experienced in general greenhouse work; references. Address ERNST WIENHOEBER & Co., Park Ridge, Ill.

WANTED—A single man that has some experience in growing "mums"; state wages with board. Address COLE BROS., Peoria, Ill.

WANTED—A few dozen canna Queen Charlotte. Address, stating size and condition, with lowest price per 100. R. B., care American Florist.

WANTED—Man familiar with growing carnations. Must be strictly temperate, industrious and trustworthy. Apply with references to L. L. MAY & Co., St. Paul, Minn.

WANTED—Young man with some experience as assistant in a commercial place; state experience and wages, including board. GEO. S. BELDING, Middletown, N. Y.

WANTED—Second-hand pumpkin engine; must be in good condition. Address with description and price. SCHMIDT BROS., 220 to 224 West Fulton St., Grand Rapids, Mich.

WANTED—Assistant in greenhouse; must be sober and experienced in wetting and potting young stock; state age, also what wages expected; references required. Address PRACTICAL, care Am. Florist.

WANTED—A middle aged man, experienced and good on designs and other floral work; only honest and sober worker wanted; fair wages; must be competent to do planting of beds. Address A. SENFF, Menominee, Mich.

WANTED—A man with means enough to build the rooms, and me furnish the grounds and take an interest in greenhouse; no better location anywhere; none in twenty miles in any direction; a town of 2,000 inhabitants; there are several hundred dollars' worth shipped in every season. Address S. W. COX, Bement, Platt Co., Ill.

WANTED—Working foreman to run 100 feet of glass, raising young roses and varied assortment of catalogue stuff. Must be a first-class rose propagator, and thoroughly experienced generally, and capable of head work. A pleasant situation to a live man who is up to the times. State experience fully and wages expected, with references. BEN. HAINES, New Albany, Ind.

FOR SALE OR RENT—Chicago greenhouses; \$3,000—\$1,000 cash, balance on time; 15,000 square feet glass, stocked with roses, carnations, etc. For particulars address A. T. JACKSON, Station X, Chicago.

FOR SALE—Two-story house with store and greenhouse at rear, 70 feet long by 20 wide, 421 61st St., good location; also store on Wentworth Ave., doing good business, with a reasonable rent. Address or inquire 6217 Wentworth Ave., Englewood, Chicago.

FOR SALE OR LEASE. Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCBORN, Dubuque, Ia.

Montreal.

The usual Lenten depression has been with us this year in a marked degree; with the exception of two or three storekeepers, all agree that it has been the dullest Lent experienced here for many years. One storekeeper told the writer that his receipts for one week averaged fifty cents a day. Carnations have been very scarce here all winter, a fact which suited the western growers nicely. Smilax has continued scarce ever since Christmas. Sweet peas are now seen in all the florists' windows, and are in brisk demand. Easter lilies seem to be rather scarce, and are likely to fall short of the demand. Hydrangeas are more plentiful this year than usual, but those in bloom found a ready sale for Easter. Azaleas are very scarce, but as usual here at Easter there was an abundant supply of spiræa; the variety compacta seems to be superseding the old japonica as a pot plant, but for cutting purposes the old variety is the best yet.

At the regular monthly meeting of the club there was a large attendance of members, brought together in a great measure by the announcement that the chrysanthemum show question was to be discussed. After a lengthy debate it was finally decided to hold the usual show next November, the dates are 12, 13, and 14.

A plant of *Heuchera sanguinea* in a 7-inch pot, with about a hundred spikes of bloom, which was brought in by Mr. George Robinson, attracted considerable attention. Mr. R. says he dug it up in October from the border, where it had been blooming all summer, and it commenced to bloom in January, and has been a mass of bloom ever since.

Walter Wilshire, the popular ex-president of the club, has been confined to his bed for nearly a month by an attack of heart failure.

The old greenhouse establishment on St. Denis street, known as the "Montreal Floral Nurseries," is advertised for sale, to make way for a new street; there are about 8 houses of about 1,200 feet of glass. The place has been run by Mr. Joseph Bennett for a number of years, who has built a new place at Lachine with all the latest modern improvements. BEAVER.

Baltimore.

Probably never in the history of the florist business in Baltimore, has there ever been a heavier stock of good flowers and plants for Easter, or as many left on hand after Easter was over. The Monday preceding Easter was very disagreeable, with continuous rain. The following four days, while not as perfect as might have been desired were still passable, and purchasers began to increase. Saturday, however, dawned with a gentle rain, which increased steadily to a downpour that continued through the whole day, with wind enough to make umbrellas nearly useless, and cold enough to make heavy clothing very necessary; so flower buyers were few. The stores were very handsomely decorated, so too were the stalls in the market, most of the florists making special displays.

As may be imagined, the weather demoralized the market to such an extent that prices were anything but uniform, the anxiety to make sales warring against the disposition to uphold prices, at least as far as the retail market men. At wholesale prices were a little more steadfast, valley 4, violets fifty cents per 100,

REMOVAL NOTICE.

Our large and constantly increasing business made it imperative to secure more spacious and commodious quarters. On and after May 1 we shall occupy the entire space on the floor of the present Cut Flower Exchange, No. 59 Wabash Avenue, second floor. We shall be better able than ever before to handle the large stocks of our numerous growers as well as give improved facilities to the buyer.

T. J. CORBREY,
Wholesale and Commission Florist,

Phone Main 4508.

64 & 66 Wabash Ave., CHICAGO.

CHRYSANTHEMUMS

Standard Commercial Varieties.

CHEAP.

HUNTSMAN & CO.,

247 Race Street, CINCINNATI, O.

WRITE FOR LIST.

STRONG ROOTED COLEUS.

Floest selection fancy-leaved, old and new, \$5.00 per 100. Reds and Yellows, \$6.00 per 100.

VERBENAS, good bright colors, mixed, \$5 per 100.

FOR SUMMER CUT FLOWERS.

Simple's and Vick's branching Astera, Snowcrest Scabiosa, Marguerite Carnation, 70c per 100. Heliotrope, Gaillardia Tomletonia, plants \$2.10 per 100. ¼ quantities same rates by express, not prepaid.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

VERBENA—ROOTED CUTTINGS

free from rust and mildew, fine varieties, 80c. per 100, \$7 per 1000.

'Mums, Heliotropes, Fuchsias, 20c. per doz., the best market varieties, \$1.25 per 100.

Coleus in varieties, 75c. per 100.

WRITE FOR CATALOGUE.

PILLSBURY & LENCENFELDER,
MACOMB, ILL.**VIOLETS.****MARIE LOUISE.**

Rooted Runners \$5.00 per 1000
Fine healthy stock; no disease
of any kind.

W. J. WOOD, 47 Lovell Street, Worcester, Mass.

PANSIES.

Fine stocky plants, excellent strain, \$2.00
per hundred

CUS. NOACK, Batavia, N. Y.

Marie Louise Violets.

NO DISEASE. STRONG PLANTS.
\$1.00 per 100; \$6.00 per 1000.

MISS P. A. BAKER, MEDIA, PA.

carnations 3 and 4, La France 4 to 10, Perles 5 to 7, Beauties 30 to 40. By Monday these prices had given place to regular rates of two weeks ago. In plants choice azaleas twelve to fifteen inches in diameter sold for \$1.50 to \$2 each, hyacinths 15 to 20 cents, Harrisililies, choice full bloomed, \$9 a dozen. Hydrangeas with from one to three large heads \$12 a dozen. Astilbes, though not in as heavy a supply as in former years brought the same price, viz., \$3 a dozen. MACK.

Louisville, Ky.

The Kentucky Society of Florists was royally entertained by President Jacob Schulz at his home on March 27. The regular business meeting was held and then the members were invited to a tastefully decorated banquet hall. After an address of welcome by the president the guests took their seats. Later speeches were made by various members and all enjoyed themselves thoroughly. The guests were 26 in number.

"WHIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots, \$8.00 per 100.

CHRYSANTHEMUM

GEO. S. CONOVER, the best EARLY BLOOMING large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

HYDRANGEA Red Branched, nice stock, 4 inch pots, \$8.00 per 100.

FENCH CANNAS.—Large stock of the leading varieties.

WRITE FOR OUR CATALOGUE.

VICK & HILL, Rochester, N. Y.

FOR SALE.

PINK AND WHITE ERICAS (Scotch Heather), in bloom now, fine plants.

\$1.00 each; \$10.00 per dozen.

Also 600 for Easter. Also all kinds of Easter plants in prime condition.

ANTON SCHULTHEIS,
P. O. box 78, COLLEGE POINT, L. I., N. Y.**JOHN N. MAY,**

WHOLESALE GROWER OF

Roses, Carnations, Chrysanthemums and Cannas.

All of which are now ready.

SUMMIT, NEW JERSEY.

E. G. HILL & CO.,**Wholesale Florists**

RICHMOND, INDIANA.

EXTRA FINE REX BEGONIAS.

Per 100
Strong plants, 2½-inch pots, assorted . . \$4.00
Strong plants, 3½-inch pots, assorted . . 5.00

Also immense line of Roses, Carnations and a general stock. Send for quotations.

THE NATIONAL PLANT CO.,
Dayton, Ohio.**BEGONIAS.**

Extra large A1 Bulbs. Separate colors, Red, White, Rose, Yellow and Orange, or mixed as you desire. \$3.00 per 100.

T. H. SPAULDING, Orange, N. J.

"Begonias purchased of you are the best bulbs for the money we have ever bought."

A. B. DAVIS & SON.

**CATALOGUE PRINTING.
ELECTROTYPING.**

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.

. . . HARRISBURG, PA

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

OBITUARY.

JAMES W. SCOTT.

The report of the death of Mr. James W. Scott, publisher of the Chicago *Times-Herald* and the Chicago *Evening Post*, which occurred in New York City April 14, was received with much regret by horticulturists of Chicago and vicinity. It is perhaps not generally known that Mr. James W. Scott was the son of D. Wilmot Scott, who was for so many years secretary of the American Association of Nurserymen, Florists and Seedsmen, now the American Association of Nurserymen. Mr. Scott Sr. was publisher of a newspaper as well as a nurseryman at Galena, Ill., and his son's first ambition was to be a scientific horticulturist. He went through an extensive course of study to this end, and although he subsequently tried what he termed "the other end of his father's business," he always retained a warm affection for his first love, horticulture.

In Chicago Mr. Scott was a tower of strength to horticulturists in combatting political influences in its park systems. On several occasions he has prevented injury to the parks from these influences by a simple word of warning to the effect that the threatened attempt would be combatted by the full strength of the two influential daily papers that he controlled. Mr. Scott was a very genial, approachable gentleman, and was always ready to lead any assistance in his power to advance the interests of horticulture in this city. Through his death horticulture in Chicago has lost an influential advocate and protector.

When writing our advertisers please use one of your printed business letter heads or enclose your business card.

ITS MATCHLESS BEAUTY AND GRATEFUL FRAGRANCE makes friends everywhere for the

GRANDIFLORA CAPE JASMINE

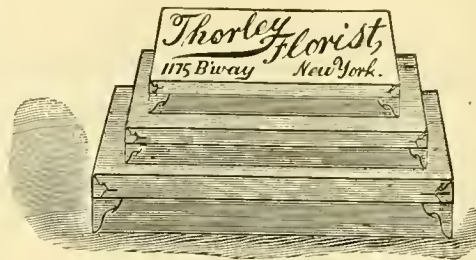
I will be prepared to make shipments of the buds of this popular flower, commencing about May 10th to 15th. Prices, by mail, \$1.00 per 100. Lots of 200 by express prepaid for \$2.00. Special prices to florists and in quantities. The keeping qualities of this flower are unsurpassed.

Orders booked for future delivery.

Address **C. H. JONES,**
819 Market St., CALVESTON, TEXAS.
Shipments made from Alvin, Texas.

SAMUEL S. PENNOCK,
Wholesale Florist

REAR OF 42 S. 16th STREET,
Philadelphia, Pa.

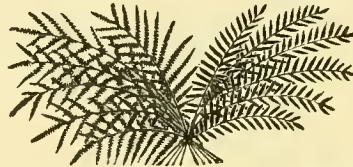


The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

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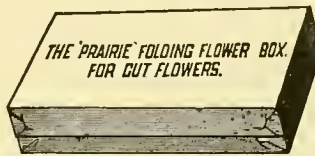
Hardy Cut Ferns,

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON



FOLDING PAPER BOXES for CUT Flowers.

Made from Water-proofed, Double Manilla lined, Strawboard. Shipped flat, packed 100 in a crate.

CHICAGO FOLDING BOX CO.,

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Wholesale Commission Florist.

ALL STOCK IN FINEST GRADES.

113 W. 30th St., NEW YORK.

Telephone Call 1307 38th St.

JULIUS LANG,
(Formerly with THEO. ROEHR'S.)
Commission Dealer in Cut Flowers,

WHOLESALE,

53 West 30th St., NEW YORK CITY.

The Boston Flower Market

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.

Address **JOHN WALSH, MANAGER,**
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."

WISCONSIN FLOWER EXCHANGE,
WHOLESALE CUT FLOWERS,

AND GROWERS STOCK.

Orchids a Specialty.
Consignments of Cut Flowers solicited.
468 Milwaukee St., MILWAUKEE, WIS.

Asparagus Plumosus Nanus.

Cut Strings, 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Cycas Leaves. FRESH CUT
each 75c.

VAUGHAN'S SEED STORE, P. O. Box 688. Chicago.

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

WHOLESALE FLORISTS

JOBBERS IN FLORISTS' SUPPLIES, FLORISTS' VASES.

METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND.

84 Hawley Street, BOSTON, MASS.

HORTICULTURAL AUCTIONEERS.

WELCH BROS.,

Wholesale Florists,

NO. 2 BEACON STREET,

Near Tremont St., BOSTON, MASS.

H. L. SUNDERBRUCH,
Wholesale Florist

4TH AND WALNUT STREETS,

Cincinnati, O.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS,

495 Washington St., BUFFALO, N. Y.

SHIPPING ORDERS CAREFULLY ATTENDED TO.

OTHER SPECIALTIES:
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Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

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WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS.
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.
 Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and **FLORISTS' SUPPLIES.**
 34 & 36 RANDOLPH STREET,
 CHICAGO.

T. J. CORBREY,
 Wholesale Commission Florist,
 64 & 66 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
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Agent for finest grades Waxed and Tissue Papers.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
 34 & 36 Randolph Street,
 PHONE MAIN 223. CHICAGO.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. CHICAGO.

Our Roses best them all, in quality.
 Headquarters for fine American Beauties.

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
 CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
 WHOLESALE
COMMISSION FLORISTS,
 41 Wabash Avenue,
 Telephone Main 3208. CHICAGO.

Consignments solicited. Prompt attention to all orders.

Always mention the American Florist when writing to advertisers.

Wholesale Markets.

Cut Flowers.

NEW YORK, Apr. 16.

Roses, Niphetos	1.00@2.00
" Perle, Hoste	1.00@2.00
" Mermet, Cusin, Watteville	1.00@4.00
" Bride, Bridesmaid	1.00@4.00
" La France	1.00@4.00
" Testout	4.00@4.00
" Meteor	1.00@3.00
" Beauty	10.00@20.00
" seconds	2.00@5.00
" Hybrids	10.00@20.00
" Jacqs	1.00@2.00
Carnations	1.00@2.00
" fancy	2.50@4.10
Violets	40@50
Valley	2.00@3.00
Daffodils, Tulips	1.00@2.00
Harrisll lilies	4.00@8.00
Mignonette	4.00@10.00
Cattleyas	25.00@35.00
Smilax	20.00@35.00
Adiantum	1.00
Lilac per bunch	1.00

BOSTON, Apr. 16.

Roses, Niphetos, Gontier	1.00@2.00
" Perle, Sunset	2.00@3.00
" Mermet, Brides	4.00@8.00
" Hybrids	10.00@20.00
" extra	25.00@50.00
Carnations	2.50@3.00
" fancy	4.00@5.00
Violets	40@50
Daffodils	3.00@4.00
Tulips P'oticus	2.00@3.00
Longiflorum	6.00@8.00
Harrisll	6.00@8.00
Callas	6.00@8.00
Candium	3.00@4.00
Asulbe, Mignonette Stock	1.00@2.00
Marguerites, Mysotis	.75@1.00
Pansies	.25@.50
Heath per bunch	.50
English primroses, per dozen bunches	1.00
Adiantum	1.00
Smilax	25.00@30.00
Asparagus	50.00

PHILADELPHIA, Apr. 16.

Roses, small	3.00@3.00
" large teas	6.00@8.00
" extra select	10.00@12.00
" Beauties	20.00@35.00
" Brunners	25.00@40.00
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CHICAGO, Apr. 18.

Roses, Beauties, selected	20.00@25.00
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Daffodils	2.10
Dutch hyacinths	3.10@4.00
Harrisll, Callas	6.00@8.00
Violets, double	.75
" single	.50
Sweet peas	1.00@2.10
Smilax	25.00
Common ferns, per 1000	4.00

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 Successor to PECK & SUTHERLAND,
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 And all other desirable roses, grown especially for first-class trade.

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 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

CHARLES P. BRASLAN, who has been dangerously ill with pneumonia for the past three weeks is now out of danger, and from present outlook will be at his office within a week.

R. H. SHUMWAY advises the FLORIST that his mail trade this season has been the largest since he has been in business, the largest in number of orders as well as in total amount of money received.

THE MAIL TRADE holds out well and nearly all stocks are selling steadily. Potatoes are in strong demand at good prices. There is time yet to work off what seems like a possible oversupply of beans and sweet corn.

Waterloo's Garden Seed.

WATERLOO, NEB., April 7.—It has been raining here for the past thirty-six hours and the farmers are jubilant over the prospects for the coming season. Our seed merchants contracted for 2,000 acres of garden seed last year. This year they will put one quarter more. Garden seed average the farmer from \$35 to \$60 per acre, onion sets from \$100 to \$300 per acre, and during the seeding season, which begins the latter part of September and continues for three months, it gives employment to an army of men whose pay is from 75c to \$1.25 per day, according to experience. It is on account of this industry that the price of land in this vicinity has increased so rapidly, making it possible for a man to make a good living off of twenty acres of ground.—*Omaha Bee.*

International Horticultural Exhibition at Dresden.

An international horticultural exhibition will be held at Dresden, Saxony, May 2-12, 1896. This city is celebrated for the large number of florists and nurserymen in and around it, many of them making a specialty of roses, camellias, rhododendrons and other hard wooded plants. A large hall surrounded by a park containing many smaller buildings will contain the exhibition, which is under the patronage of the King of Saxony and the chief horticultural societies. Many valuable premiums and medals are offered in all classes, particularly for new and rare plants, rhododendrons, roses, palms, etc. As Dresden is a very popular city, always attracting many visitors, this exhibition is likely to be a great success. Premium lists and other information may be obtained from Mr. Laemmerkirt, Glacis Strasse, Dresden, Saxony.

Michel Plant and Bulb Co.,
WHOLESALE FLORISTS,

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When writing mention the American Florist.

TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.
Vaughan's Seed Store, Box 688, Chicago.

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HYACINTHS, TULIPS, NARCISSUS,
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GROWERS OF
Hyacinths, Tulips, Crocuses, Narcissus, etc.

WE ARE ABLE TO QUOTE THE LOWEST PRICES FOR WHOLESALE DEALERS.

Address all Correspondence to Myers' Hotel, Hoboken, N. J.

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MANUFACTURERS OF
AUTOMATIC MACHINES FOR PUTTING UP SEEDS,
FITCHBURG, MASS.

Try **VAN ZONNEVELD BROS. & CO.'S**
Hyacinths, Tulips, Crocus, Daffodils,
and other Bulbs.

SASSENHEIM, HOLLAND.

They are strictly first-class and cheap Special quotations for Wholesale Importers.

Address all correspondence until May 1st, to our JACK WEZELEBURG, care J. W. HAMPTON, Jr. & CO. 41 BROADWAY, NEW YORK.

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Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.



Gardiner's Celebrated English Mushroom Spaw.
Fresh and Sellable.
\$7 per 100 lbs.
Special price on larger quantities.
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Dealer in J. M. THORBURN & CO.'S
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Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
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Fresh seed just arrived. New crop Sweet Peas just received.

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NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

LILIUM HARRISII.
Original and largest growers of this important bulb.
OUR SPECIALTY!
True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
TARRYTOWN-ON-HUDSON, NEW YORK.

What you do do,
Do it well!

SAY LITTLE; BUT SAY IT STRONG!

I stick to specialties and do them better on that account. My Specialties are:

FLORISTS' FLOWER SEEDS.
(The best strains obtainable.)

IMPORTED GRASS SEEDS.
(At Import prices.)

FLOWER ROOTS AND BULBS.
(For Forcing and Retail.)

MUSHROOM SPAWN.

CLAY'S FERTILIZER.

I shall be pleased to figure on your wants in these lines. Write me for prices on anything you want.

Note my New Address:

G. C. WATSON,
43 North 10th St., PHILADELPHIA.

N. B.—I handle the Phila. Flower Shipping Box and the "Workeasy" Strap and Buckle. Both "Perfection."

80,000 AMERICAN BEAUTIES

Clean, 2½-inch stock. \$6 per 100; \$50 per 1000.
\$40 per 1000 in 10,000 lots.

	Per 100	Per 1000
Meteor.....	\$4.00	\$35.00
La France.....	4.00	35.00
Perle.....	4.00	35.00
Niphetos.....	4.00	35.00
Ch. De Noug.....	4.00	35.00
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Madame Cochet.....	6.00	50.00
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CARNATIONS—Out of flats.

Portia, Silver Spray, Tidal Wave, Lizzie McGowan, Grace Darling, Fred, Dornier. 1.25 10.00

SMILAX, A No. 12-inch stock..... 2.00 15.00
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2000 JACK ROSE PLANTS

on their own roots, well branched, 2½ to 3 feet high, \$10 per 100. 3 to 4 feet high, \$15 per 100. Sample of 8 for \$1.00.

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ORCHIDS OUR SPECIALTY.

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New and Rare Plants for the Stove, Greenhouse and Conservatory.

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GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,
Philadelphia, Pa.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

ROSES. ROSES.

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—Wm. Falconer.

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON CO.,

CATALOGUES AND PRICE LIST FREE.

PAINESVILLE, Lake Co., OHIO

Mention American Florist.

YOUNG ROSE PLANTS

We offer the following very choice Plants out of 2 1-2 in. Pots.

	PER 100.	PER 1000.
AMERICAN BEAUTIES,	\$5.00	\$30.00
METEORS, Best Red Rose,	3 00	3 00
MME. C. TESTOUT,	6 00	3 50
KAISERIN A. VICTORIA,	6 00	3 00
LA FRANCE,	3 00	3 00
D. OF ALBANY,	3 00	3 00

	PER 1000	PER 1000
CARNATIONS, { DAYBREAK.....	PER 1000	\$10.00
{ WM. SCOTT.....	"	23.00
{ TIDAL WAVE.....	"	10.00
{ SILVER SPRAY.....	"	10.00

The above stock is very strong and healthy, and propagated from selected wood. We send out the same stock that we grow for ourselves, and it will give better satisfaction than stock which has been grown simply to sell.

REINBERG BROS.,

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HEADQUARTERS FOR THE WONDERFUL NEW ROSE CRIMSON RAMBLER.

The Largest and Finest Stock in America.

Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots, \$15.00 per 100. Ready for immediate shipments.

ELLWANGER & BARRY,

Mt. Hope Nurseries, ROCHESTER, N. Y.

ROSES	ROSES
BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Rooted Cuttings. Plants and Smilax.	BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA.
VILLA LORRAINE ROSERIES,	T. W. STEMMLER, MADISON, N. J.

Always mention the American Florist when writing to advertisers.

Mention the American Florist when writing to advertisers on this page.

New Orleans, La.

The eighth annual show of the New Orleans Horticultural Association was held in Washington Artillery Hall April 4-6. The hall was handsomely decorated with bunting, and the fine groups of foliage plants added much to the effect. Dracænas, tree ferns, palms and fruiting philodendrons decorated the sides of the hall, and the orchid display was extra good. Beds of flowering plants and cut flowers filled the center of the hall, and some good floral designs were shown. Exhibits were also made by the children of the public schools. On the closing day Dr. W. L. Stevenson of Paris gave a lecture on the influence of electricity on plant life.

Among the exhibits Abele Bros. showed a fine specimen of Pteris tremula Smithiana, a showy collection of cannas in bloom, and also cut flowers. Chas. Eble showed fine baskets and designs, for which he received prizes. Chas. Panter received special prize for a choice collection of pansies, and D. Newsham special for a collection of cut flowers. Harry Papworth received special honors for a collection of cut roses. In the cut flower contest for private gardeners only D. Newsham received first; in the same class open to all Chas. Eble was at the head.

For palm collections, first prize for florists went to J. H. Menard, for private gardeners, first to Harry Papworth. Mr. Menard also received first for collection of ferns, and for six distinct varieties, and special prize for a bed of coleus, and specimen phyllocerens. Chas. Eble took first for specimen tree fern, first for 12 dracænas, first for 25 pansies in 5 inch pots, for 20 pot roses, 12 pot roses, collection of bulbous plants, and violet "California." C. Panter received first for 12 Rex begonias, and 6 ferns (private gardeners' class). Abele Bros. received first for 12 flowering begonias, for collection of cannas, and special prize for asparagus. E. Valdejo was first for 20 geraniums, 12 cinerarias, bed of flowering plants, and special for bed of araucarias. H. Papworth received first for caladiums in two classes, for 12 crotons, for orchids in two classes, for hanging basket, for bed of foliage and flowering plants arranged for effect, and received special mention for the cultivation and arrangement of a bed of mixed plants. D. Newsham received first for specimen palm. In the exhibits of floral designs U. J. Virgin and Chas. Eble were the prize winners.

The show excelled any other previously held in New Orleans, and received high praise from the press and all who visited it, but it was very poorly attended, and is certainly discouraging to the energetic and public spirited florists who were so active in its arrangement.

On April 2 New Orleans was visited by a disastrous hail storm, which broke a quantity of glass, as well as seriously injuring outdoor plants. The principal sufferers were U. J. Virgin, E. Valdejo, M. Cook, R. E. Simons, J. H. Menard and Richard Orv.

Mr. H. Papworth sustained a severe loss lately in the death of his mother, and is the recipient of much sympathy from his many friends.

200,000 2 year BARR'S ASPARAGUS
10,000 CURRANTS, 2 year, No. 1.

Large stock of ALL KINDS of FRUIT TREES. Full assortment of SHADE TREES and EVERGREENS, NUT TREES, OSAGE ORANGE, etc. Write for prices.

RAKESTRAW & PYLE,
 WILLOWDALE, CHESTER CO. PA.

CARNATIONS.

I OFFER TO THE WHOLESALE TRADE A SEEDLING WHITE The choice from over 400 varieties after three years' trial.

It is the best white I have ever grown. Plants robust, stems long, stiff and erect, flowers full, deeply fringed and extremely attractive, measuring 2 3/4 to 3 inches across without any forcing or disbudding. Comes quick y into BLOOM and CONTINUES PROLIFIC THROUGHOUT THE SEASON.

Flowers 2 3/4 to 3 inches across, on stiff erect stems 2 1/2 to 3 feet long. of the habit of McGowan but much more prolific; a striking and attractive shade of pure purple, a novelty in color, very taking, and entirely distinct from the purple maroons and so called purples. Price on the above varieties. \$12.00 per 100; \$100. per 1000.

My stock of Standard and New varieties has never been better than at present, and includes:

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| Sweetbrier, | Thos. Cartledge, | All at moderate prices, with regular discounts. |
| Stuart, | Cesar, | I grow nothing but Carnations, and EXCLUSIVELY for |
| Wm. Scott, | Brutus. | Cuttings and Plants My stock is rooted cool and is |
| Daybreak, | Anna Webb, | unusually healthy and vigorous. |
| Buttercup, | Ferd. Mangold, | Inspection and correspondence solicited. |
| Blizzard, | Mrs. Fisher. | Price List on application. |

KOHINOOR (Mountain of Light.)

PURPLE KING.

THE PINES.

C. J. PENNOCK, KENNETT SQUARE, PA. Chester Co.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice. Try this set, you'll not regret. When you see the beauties blooming. And don't forget the best thing yet. They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 10 cents from 2 1/2-in. pots and flats. \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new plnk, Georgesna, with the finest scarlets, purples, striped and intermediate shades. Double Petunias (Dreer's), 2 in., \$2.50; 3-in., \$4; 4-in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming; 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vincas (Perrywinkle) from flats. \$2; 2 1/2-in., \$3; 3-in., very fine, \$5 per hundred. Begonia Vernon, semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2 1/2-in., \$2.50; 3-in., \$3.50 per hundred. New yellow daisy, Antheinis Thetoria (single), 2 1/2-in., \$3 per hundred. Antheinis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats. \$2.50; 2 1/2-in., \$3.50 per hundred. Nasturtiums selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark 2 1/2-in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2 1/2-in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2 1/2 and 3-in., \$4 per hundred. Calendula P. of Orange, Scabiosa Snowball, sweet Alyssum, tall, noub, 35 and dwarf single, Mignonette, Torenia fourneri, Transcendent, parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4-in. size, \$3; 6-in., \$5 per hundred dormant roots; Eulalia plant sticks, the neatest and cheapest for all small plants, 1 to 2 feet \$2 per hundred, sample 100 post free for 35 cents. Mad. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings very fine, \$1 per hundred; selected dwarf French yellow bedding cannas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. Address cash with order please.

J. C. GIBSON, WOODBURY, N. J.

PALM SEEDS

Direct Import, fresh quality, just arrived.

	Per 100	Per 1000
Areca lutescens.....	\$1.00	\$ 7.00
" rubra	1.00	7.00
Cocos Weddeliana.....	1.50	12.00
Geonoma gracilis	3.00	25.00

We further expect in the course of next month 150 lbs. Lataua borbonica. 50 lbs. Chamærops in different varieties.

CHAS. SCHWAKE,
 404 E. 34th Street, NEW YORK.

ROOTED CUTTINGS.

Carnations—McGowan, Portia, Freeman, Cartledge, Aurora per 100 \$1.00, per 100 \$1 00
 Alberti, Sweetbrier, Pixey " 1.50
 Daybreak per 100 \$20.00 " 2.50

Chrysanthemums—Whitlida, Brown, Ivory, Niveus " 1.00
 Queen " 2.00
 Ampelopsis Veitchii, 3 to 4 feet. " 4.10

Violets—Schoenbrunn, Zar and Marie Louise, perfectly healthy clumps " 4.10
 Rooted Runners, \$5.00 per 100.

JOHN J. CONNELLY, Bryn Mawr, Pa.

Carnation Wm. Scott,
 Rooted Cuttings, \$20.00 per 1000.
 500 at thousand rate.

HARMON, BURR & CO., Darien, N. Y.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Carnations to Edward Wayne must Kenneth J. G.

NEW.
OPIHELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$80.00 per 1000.

STANDARD.

	100.	1000
Sweetbrier.....	\$5.00	\$40.00
Helen Keller	"	"
Uncle John.....	"	"
Stuart.....	"	"
Buttercup.....	4.00	35.00
Scott.....	3.00	25.00
Daybreak.....	2.50	20.00
Cartledge.....	2.00	15.00
Portia.....	1.50	12.50
McGowan.....	"	"
Fisher (from soil for Summer).....	"	"

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

50,000 Carnations.
 ROOTED CUTTINGS.
 Ready now. Positively no Rust. Also rooted runners Lady Campbell Violets.
 Send for Price List.
Wm. Swayne,
 P. O. Box 226, KENNETT SQUARE, PA.

SPECIALTIES
 ALL IN THE BEST VARIETIES.
ROSES,
CARNATIONS,
CHRYSANTHEMUMS,
VERBENAS.
 Rooted Cuttings and Plants. Send for price list.
WOOD BROTHERS, FISHKILL, N. Y.

Chrysanthemums
 AND
Carnations.
 The best New and Standard varieties at reasonable prices.
NATHAN SMITH & SON, Adrian, Mich.

PANSIES.
 The Jennings strain of Large Flowering and Fairy Pansies in bud and bloom ready April 1st. The Finest Strain is what every Florist wants. Plants grown in cold frames, firm and stocky, by express, per 100 \$2.00; \$15.00 per 1000. Small plants, prepaid by mail, 60 cents per hundred. All colors mixed.

E. B. JENNINGS,
 Wholesale Pansy Grower,
 Cash with order. Lock Box 254, SOUTHPORT, CONN.
 Mention American Florist.

CHITTY'S NEW PRIZE CARNATIONS For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

CARNATIONS READY NOW.

McGowan in any quantity, Mrs. Fisher, Helen Keller, Sweetbrier, The Stuart, Buttercup, Iago, Cartledge, Portia and Dorner.

Write for prices, stating how many you will want of each variety. The prices will be reasonable and cuttings well rooted and healthy.

ALBERT M. HERR,
L. B. 496. **LANCASTER, PA.**

CARNATIONS

Healthy well rooted cuttings of

	Per 100	Per 1000
Lizzie McGowan, Silver Spray, Puritan,	\$1.50	\$10.00
Grace Wilder.....	2.00	15.00
Daybreak	1.50	10.00
Portia, American Flag.....	2.00	15.00
Tidal Wave and Orange Blossom.....	1.50	10.00
DOUBLE PETUNIAS —Finest white and fringed varieties, \$1.50 per 100.		
CHRYSANTHEMUMS —Finest white, pink and yellow varieties, \$2.00 per 100.		
COLEUS —Red and yellow and mixed varieties, \$1.00 per 100; \$8.00 per 1000.		
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Queens, Long Island, N. Y.

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20,000 WM. SCOTT
Rooted Cuttings ready for immediate delivery

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	Per 100	Per 1000		Per 100	Per 1000
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Uncle John.....	5.00	40.00	Buttercup.....	4.00	35.00
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It's Safer to buy Carnation stock from those growers who give their entire attention to its production. We grow nothing but Carnations, and ship only the best quality of rooted cuttings. There are no finer McGowans anywhere than ours, and they are cheap at \$2 per 100; \$15 per 1000, while our Scotts and Albertinis at \$3 and \$25, and Daybreaks at \$2.50 and \$20, are A1 in every respect. How many do you want?

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BRIDESMAID, bright clear pink.....	\$10.00	\$75.00
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Ready April 1st, 1895.

UNCLE JOHN, pure white.....	5.00	40.00
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NO RUST. GOOD STOCK.

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Certificate and special mention awarded to all.
E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100.
MAJOR BONNAFFON, yellow—\$1.00 per doz. \$6.00 per 100. SEND FOR PRICE LIST.

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Strong and healthy rooted cuttings of the following ready now: per 100 per 1000
5,000 BUTTERCUP..... \$3.50 \$30.00
10,000 LIZZIE MCGOWAN..... 1.50 12.00
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15,000 DAYBREAK..... 2.00 15.00
15,000 PORTIA, 15,000 SILVER SPRAY... 1.25 10.00
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50,000 well rooted runners of LADY CAMP
BELL Violets..... 1.25 10.00
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Complete price list on application.

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	2-inch Sand Pots	4-inch Pots
Helen Keller, Ada Byron.....	\$4.50	\$6.00
Adelaide Kresken, Jacqueminot.....	4.50	6.00
McGowan, Portia, Wilder.....	1.50	2.50

Very strong cuttings—no rust.
LADY THOMPSON STRAWBERRY PLANTS, and others at low rates.

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of the new and old kinds.

We quote you prices on a few of them. Strong, well rooted stock for cash. Per 100 Per 1000
KOHINOOR, new white, large, free... \$12.00 \$100.00
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ALASKA, large, white, free, new... 10.00 75.00
LIZZIE GILBERT, brilliant scarlet... 10.00 75.00
STORM KING, large, pure white... 10.00 75.00
METEOR, large, bright crimson... 10.00 75.00
BRIDESMAID, clear rich pink... 10.00 75.00
WM. SCOTT, free, clear pink... 3.00 25.00
GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100; \$40.00 per 1000.
DAYBREAK, TIDAL WAVE, PORTIA, SILVER SPRAY, LIZZIE MCGOWAN, \$2 per 100; \$15 per 1000.

☞ Send for complete list.

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NEW AND TESTED CARNATIONS

OUR SPECIALTY.

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THE NEW WHITE CARNATION MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

Per 100 Per 1000
We offer them, 2 1/2-inch pots..... \$6.00 \$50.00
Lizzie McGowan, rooted cuttings..... 10.00
ROSES—Bridesmaids, 2 1/2 inch pots..... 3.00 25.00
Brides, 2 1/2 inch pots..... 3.00 25.00
☞ Orders booked for Delivery April 1. Terms cash with order.

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Toronto.

Business has been lively in this town the last few days, and as a whole will fully come up to the average. Some say they have done more than last year, others not quite so much, owing to the backwardness of Harrisii lilies. Nearly every one who grows these latter will get more or less left this year; of course there were some about, but many of these had more flowers on them unopened than opened. The roses and carnations in the store windows were very fine and tempting, and the demand was good. Smilax was scarce. Violets also became scarce towards evening. Large quantities of cheap bulbous stuff was cleared off in the morning on the market, but plants did not go off so well there as usual; buyers did not appear to be possessed of any bills of a big denomination. In the stores the plant trade was better; azaleas, which were very fine this year, and medium sized palms sold well. Genista also went off at a lively rate. The weather was dull, mild and still, an ideal day for delivering plants without packing or protecting. In a tramp round town on Saturday afternoon every one appeared to be well satisfied, and I heard no grumbling except with regard to lilies. In the evening florists' wagons were quite a feature on the streets, with their loads of goods "all a growin' and a blowin'." The little greenhouses on wheels were out in full force in the residential portions of the city and suburbs during the day, and did a thriving trade. Prices all round were about the same as last year. Roses may have been a little lower perhaps; there was a large supply. I was told by one florist that he could have sold lots of small plants at about 25 or 35 cents if he could have got them. Probably the only "interesting peculiarity" was some baskets of flowers with Easter eggs in them; the idea may be all right, but these baskets were not very tastefully arranged, and did not look "fetching."

Local retail seedsmen report a large increase in business this year so far, and they expect the improvement to continue. Outdoor gardening operations will probably be in full blast from this out. Spring is backward this year—a case of lingering too long in the lap of winter I am afraid—and it will be necessary to get a considerable "wobble on" in order to keep up with the weather, I expect, when it does come.

Two or three more florist stores have opened lately, but—well, I won't croak, some of them may be stayers. E.

The Refining Influence Again.

Saloon keeper—"No, I've got no money, and can't afford to buy flowers to welcome our alderman to his seat."

Ward healer—"Say, you'll contribute something to this voluntary token of esteem, or else the old man will have you pinched for keepin' open after twelve o'clock. See?"—Chicago Record.

CUTTINGS by Mail prepaid.

POT PLANTS by Express not prepaid.

Alternanthera p. major and aurea nana; Ageratum White Cap and dwarf blue, cuttings, 50c; 2-in. pots \$1.50 per 100.

Chrysanthemum cuttings, \$1.00 per 100.

Coleus, best bedders, cuttings, 60c. per 100.

Fuchsias, good mixed, " \$1.00 per 100.

CASH WITH ORDER.

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Hypericum Moseerianum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. Fine, Strong Plants, \$7.50 per Hundred.

Hardy Trees, Shrubs, Plants, Rosea, and Fruit. (Rhododendrons a Specialty.)

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The bulbs are the finest we have ever grown.

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We take back seat for none, and claim to be the leaders in the Coleus trade, and the originators of the Golden Queen Coleus, the only good all around yellow Coleus grown. Over a hundred thousand now ready.

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SMILAX, from 1 1/2-inch pots, strong, \$2.50 per 100; \$20.00 per 1000. 1/2¢ send for Catalogue.

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Siebrecht & Wadley,

ROSE HILL NURSERIES,

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ROSES Strong, healthy plants from 2, 2 1/2 and 3 inch pots, \$3.00 to \$8.00 per 100. An. Beauty, Bride, Mermel, Nipheos, Perle, Sunset, Wootton, Meteor, Albany, La France, Testout, Victoria, M. Niel, Bridesmaid, Watteville, The Queen, Mme. P. Guillot, S. d'un Ami, &c.

VERBENAS Good assortment clean, healthy plants from 2 inch pots, \$2.50 per 100, \$20.00 per 1000.

VIOLETS Marie Louise and Swauley White, strong plants from 2 inch pots, \$2.50 per 100, \$20.00 per 1000; no disease.

CARNATIONS Leading kinds from 2-inch pots, \$2.50 to \$5 per 100.

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JOSEPH HEINL, JACKSONVILLE, ILL. Mention American Florist.

New Fuchsia LITTLE BEAUTY, 50,000 Now Ready.

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BEGONIA Odiba, from 2 1/2-in. pots, \$9 per 100.

GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants from 3-in., \$1.25 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist.

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MEDAL WINNING VARIETIES, controlled by us and offered now for the first time.

These novelties we consider of great value and permanent additions to the high class Cannas, they are the cream of twenty kinds chosen by M. Crozy from his entire stock of seedlings to represent his best achievements in Cannas up to 1893.

CHICAGO.—(Medal awarded). Positively the best vermilion scarlet to date; 4 feet, green foliage with leaves 9 to 10 inches wide, flower truss and stalk stands boldly erect. The large flowers open out nearly flat, petals 1 1/2 inches wide and five in number—in this respect the **Chicago** fairly out-classes all Cannas, the fifth leaf adding much to the blossom and flower spike. Its record at the World's Fair, on our grounds and in our greenhouses more than justifies all our claims for it. The record of our Canna Novelties of the past seasons entitles us to your confidence. The color, in the language of the judges, is a "dazzling vermilion scarlet," smooth and without markings except a purplish gloss. Price of this grand novelty only 75c. each.

MADAME ALPHONSE BOUVIER.—3 1/2 feet, foliage medium green, flower large, well opened. The color is that of Madame Crozy, tinted with dark crimson spots like Crampel. The yellow edge is irregularly wider with clear yellow spots on upper and lower edge of petals into the throat of the flower; a magnificent Canna, scarce. Each, \$1.25.

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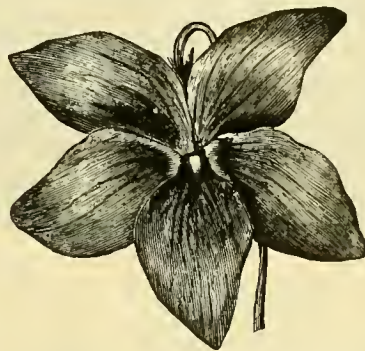
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Rooted Cuttings of the following: Geraniums, Fuchsias, Heliotrope, Vinca major var., Salvia splendens, Gazanias, Marguerites, Chrysanthemums, standard varieties. All assorted, 90c. per 100.
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Home Grown, own Roots, in 20 Leading Kinds.

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Marie Louise.

Warranted free and clear of disease, \$4.00 per 1000. Ready for Delivery April 1st.
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100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.
We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

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Rooted Cuttings or 2-inch pot plants.

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We Pay the Express. PANSIES AND VERBENAS.

BUGNOT'S superb blotched..... 60c. per 100.
CASSIE'S superb giant..... \$4.50 per 1000
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MAMMOTH VERBENAS in best colors, 70c. per 100
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Pansy Plants.

EXTRA FINE STRAIN.

75 cents per hundred; \$5.00 per thousand.

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Adiantum Farleyense,

2 1/2-inch pots at \$15.00 per 100.

Well established plants and ready for a shift

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A GENERAL ASSORTMENT OF
FRUIT TREE STOCKS, PEARS, MAHALES, CHERRY, SMALL TREES, SUCH AS APPLE, PLUM, MAZARD, QUINCE, FOREST TREES, MYRTLE, PLUM, ANGELES QUINCE, ORNAMENTAL SHRUBS, ROSES, ETC.
THE LARGEST STOCK OF THE SOUTH WESTERN FRUIT AND NURSERY STOCK, CALIFORNIA FREE
507 WEST 11TH ST. U.S. AMERICAN CANAL
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Cleveland, O.

The volume of business this year exceeded that of any previous Easter, and this report is general among all the live florists of the city. The market men were more than satisfied, and all day Saturday were kept busy waiting on customers who were attracted by some liberal advertising done by the Market House Co.

The week previous to Easter was cold and disagreeable, which shortened up stock and made flowers a trifle less in supply, but it anything better in quality. On Saturday the weather improved and as a consequence brought out the shoppers so that the store men were rushed all day and had more than they could attend to properly; many a box of flowers I hear did not have that "personal attention" that is so often promised. Yet with all the little mistakes made there is less complaint coming in this year than last; so perhaps we have forgotten the many blunders of last Easter. Sunday was cold and raw, so much so that business was not as good as expected, but as all the florists had large funeral orders there was no grumbling.

Prices realized this year were a shade lower, but this was more than offset by the quantity sold, as everything was cleaned out—even bulb stock that in former years was generally left over in goodly numbers. Violets were in better shape than for several seasons past, in fact were quite respectable for so late in the year. Thousands were sold at \$1.50 per hundred. Selected stock of all kinds was in greatest demand, good roses bringing \$2.50 per dozen, while average Beauties commanded \$5 and \$6 per dozen. Roses and violets took the lead in popular fancy, followed closely by the old reliable carnation.

The demand for plants was about the same as last year. Well grown azaleas sold best of all. Harrisii in pots sold freely, also Marguerites. Hydrangeas did not move so freely, nor did pans of bulb stock.

Ehrhardt, Wagner and Gasser had special window displays in keeping with the occasion. In fact all the merchants appeared to take more than the usual interest in their window displays, and the demand for plants from that source was heavy, all of which tended to stimulate trade. Gasser decorated the Grays' Armory for the charity ball on Easter Monday, and for the Chamber of Commerce banquet on the following day. The plant decorations were very elaborate, and for the latter occasion thousands of roses were used to adorn the tables.

What a difference, from a florist's standpoint, is the charity ball of to-day from a like affair some ten years ago! Then flowers were considered a necessary adjunct to one's toilet; now it is not considered quite the proper thing to load one's self down with a huge bouquet, and as a consequence the charity balls come and go with only a slight ripple on the financial surface of the florist's account book.

One of the neatest dinner decorations seen lately was one this week, where marguerites were used exclusively. There was a very large oval centerpiece, and then small crescents of the same flower were strewn carelessly over the cloth. This flower can only be used for immediate effect, as it will not stand any great length of time in a hot room without flagging.

L. F. D.

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SEND US A LIST OF YOUR REQUIREMENTS FOR QUOTATION.

Hardy Herbaceous Perennials.

Those requiring large quantities of these plants will please send us a list of their requirements for quotation. Choice varieties, fine stock, and prices the lowest known.

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Hardy Ornamental Grasses, Arundo, Bamboo and Hardy Perennials for the Water Garden.

Our collection is unsurpassed; Embracing hardy and tropical species from all parts of the world, and many hybrids of special merit.

Catalogues Free.

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SEASONABLE STOCK.

IN FIRST-CLASS ORDER.

	Per 100
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N. B.—The above prices are f. o. b. at Oyster Bay, without the pots.

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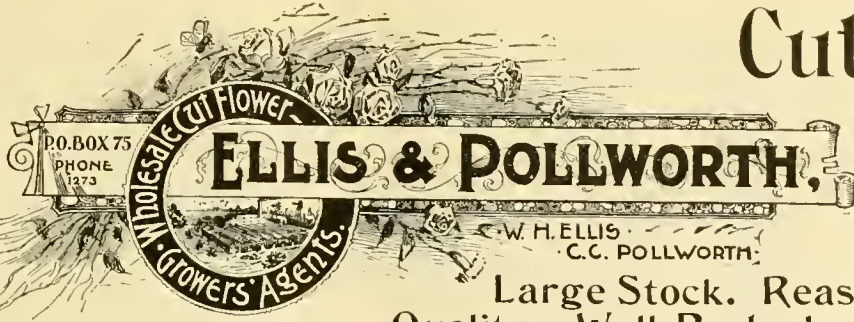
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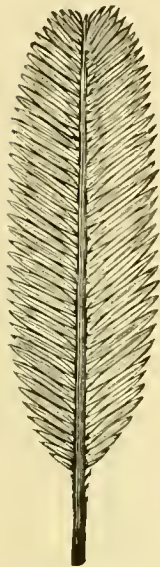


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You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Rochester, N. Y.

Easter trade was good in general, everything being more plentiful than at first expected. Even smilax, a scarce article for some time past, was supplied in large quantities. Stuff evidently had been held back, and the consequences were that an overabundance of cut flowers was at hand, much more than could be disposed of. I have to apologize, right here, for last week's remark on friend Scott's report concerning the plentiful supply of carnations; he was right in saying that any quantity of them would be offered, but we here in Rochester had tried for the past week to get a supply and failed. All carnations were off crop, as the growers said, still by Friday evening, when out of town orders should have been filled, a large supply came in, but nearly all of it was salted stock, not fit to be sent to any customer. Is it a wonder then that retailers as well as commission men complain, and is it not natural that customers will be dissatisfied getting such goods?

The tendency of flower buyers at Christmas and Easter for some time past has worked toward flowering plants; people are afraid of purchasing cut flowers just for the above reason, and growers will, in a few years, find that the practice of keeping back stuff which is ready for shipment, just because there is a possibility of obtaining a higher price, will drive cut flowers entirely out of the market at these times, and customers will ask for plants exclusively, instead of buying a box of cut flowers. Every store in this place has had an over-supply of cut flowers, while good flowering plants were sold out pretty clean, and the only reason thereof is to be found in the salting of stuff and in the growers' expectations and demands for higher prices at these times.

Last Friday's incoming stuff was depended upon by the retailers for out of town orders, and being almost useless, some of them refused to take it and telegraphed to New York and other places, expecting to be better served there, but goods turned out the same way. The whole country seems to be in the salting business. Now would it not be far better for both grower and seller if flowers were shipped when ready and in a good, fresh condition? The grower would get a fair price, the retailer would be satisfied, and the public would not look suspiciously at the flowers, fearing their keeping qualities to be too doubtful to invest in them. The consequences of the whole transaction were, in this place at least, an over-supply of flowers, and this means a loss on all sides. The retailers, however, bought rather carefully and slowly, depending on a good stock of flowering plants of every description, and now have no reason to regret it. J. B. K.

CHEAPER THAN GLASS for cold frame sash is "FENESTER PAPER" comes in rolls of about 110 yards long, full 36 inches wide; will last for seasons when prepared as directed. The most useful article wherever shading is required. An original roll costs only \$10 cash. If you wish to see more of it before ordering, send one dollar for a trial roll of 8 yards to

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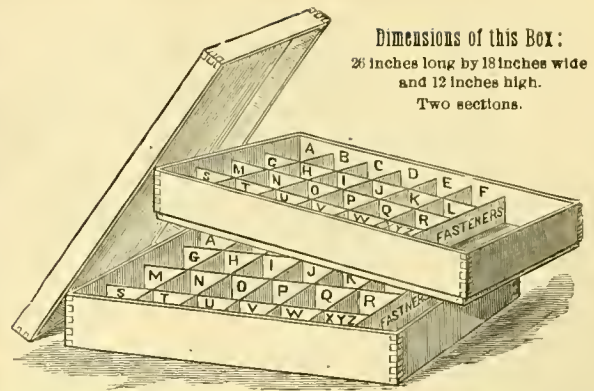
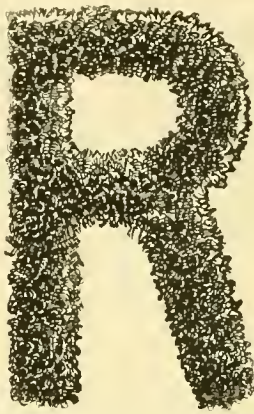
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Two sections.

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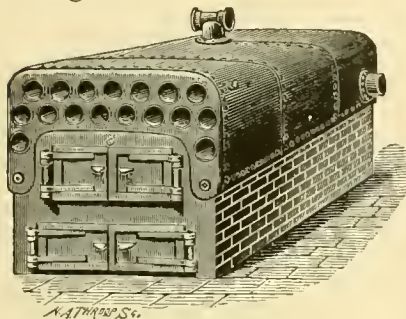
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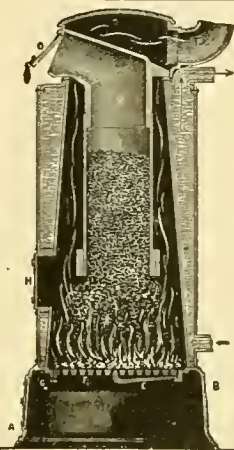
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Dear Sirs:—In response to your inquiry. The Cypress lumber ordered by us from you, arrived O. K., and is now in a finished greenhouse. We are exceptionally well satisfied both with your prices and the quality of material furnished. In the future we will use Cypress in all our greenhouse building.
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Green-House Material.

The finest CLEAR CYPRESS used.

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ALL STEEL. SELF-FEEDER.

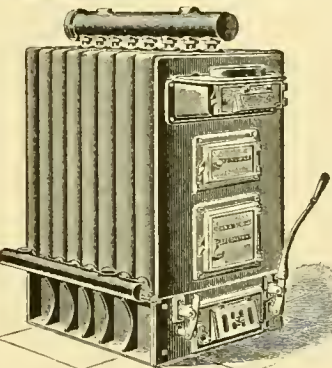
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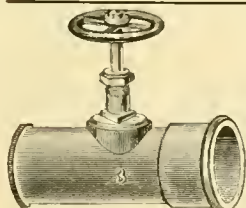
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EVANS' IMPROVED Challenge Ventilating Apparatus. Write for Illustrated Catalogue. QUAKER CITY MACHINE WORKS, Richmond, Ind.

Foreign Notes.

The double number of *Lindenia* for January and February is entirely devoted to the newer catasetums. Among them is an illustration of the superb *C. imperiale*.

Among the newer hybrid cyripediums are *C. Norma*, *C. nitens superbum*, *C. Mme. Jules Hye* and *C. Mme. Georges Truffaut*. Cyripedium hybrids appear to increase at a very rapid rate, and the custom of giving them personal names is rather confusing. We shall soon be calling them all florists' flowers.

Cymbidium eburneo-Lowianum superbum is a new and interesting hybrid between *C. eburneum* and *C. Lowianum*. The flowers are creamy white, the lip heavily marked velvety crimson. This plant recently received a certificate from the Royal Horticultural Society at London.

According to *L'Illustration Horticole* the plant exports from Ghent, Belgium, to the United States increase largely year by year. In 1885 the plants sent from that district to New York amounted to \$4,200; in 1895 it amounted to 495,000 francs, or nearly \$100,000. Azaleas formed a large part of this export, their value, during the year last named, amounting to \$40,000, palms \$25,000, araucarias \$13,000, and begonias \$7,000.

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In a certain large city a local "statesman" who is familiarly known to his compatriots as "Buck" was recently re-elected to office, and to properly express their joy thereat the aforesaid compatriots ordered from a florist a floral representation of the noble animal from which the "statesman" received his nickname. This "work of art" was displayed on Buck's desk that it might be admired of all beholders, and the reporters for the daily papers were so much impressed by it that they gave lengthy descriptions of the "beautiful floral Cow" with which Buck had been presented.

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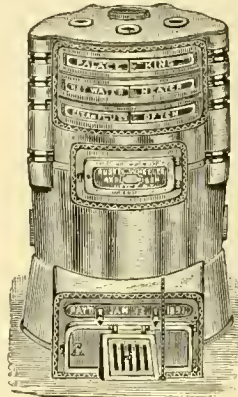
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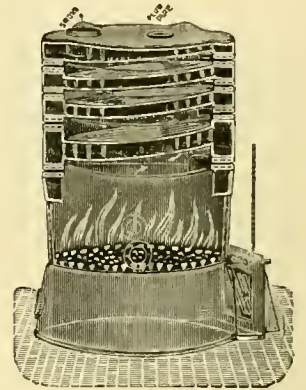
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Send for price list and samples and we know you will give us an order.

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FERN PANS AND PALM POTS.**

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Write for Price List. Address

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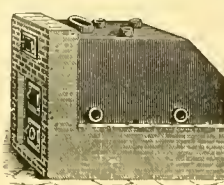


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Send for catalogue and price list.

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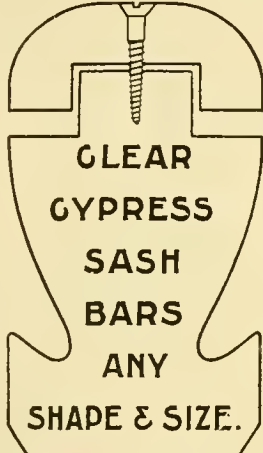
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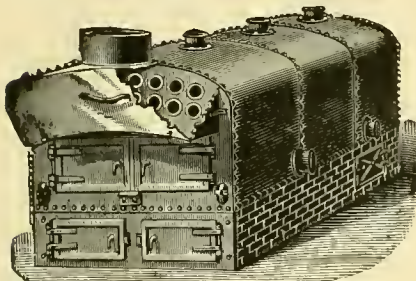


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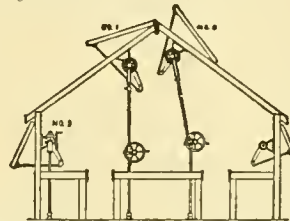
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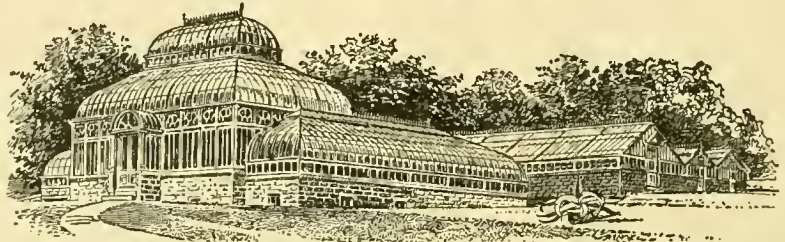
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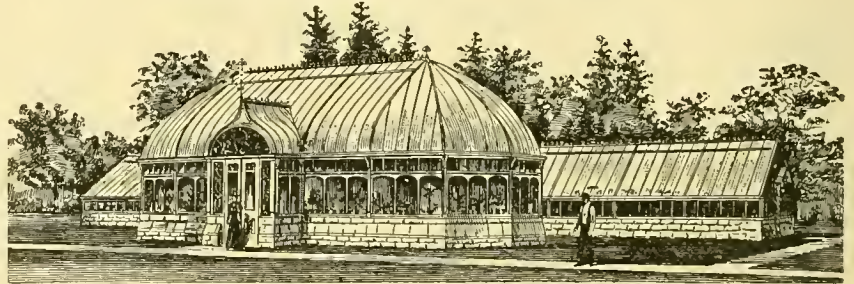
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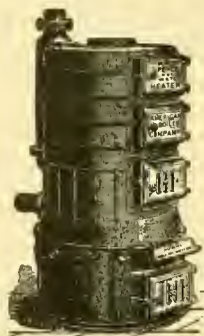
TERRE HAUTE, IND.—Mr. John G. Heini has returned from Europe.

CHAMPAIGN, ILL.—J. E. Yeats succeeds Yeats & Wascher (East Side Floral Co).

STAPLETON, N. Y.—The florist store of Mrs. S. Gordon, with contents, was badly damaged by fire on the morning of April 1.

SPRINGFIELD, MASS.—Rev. W. T. Hutchins, the noted sweet pea specialist, will spend several weeks in Shropshire, England, next summer, visiting Eckford, the great English representative of sweet pea culture.

HARTFORD, CONN.—The spring show of the Conn. Horticultural Society at Phalanx Hall on April 10 and 11 was a grand success in every way. Hyacinths, tulips, azaleas, roses, cinerarias, cyclamens, etc. were all exhibited in abundance and best quality. The judges were Rev. M. Pratt of Kensington and Robt. Veitch Jr. of New Haven.



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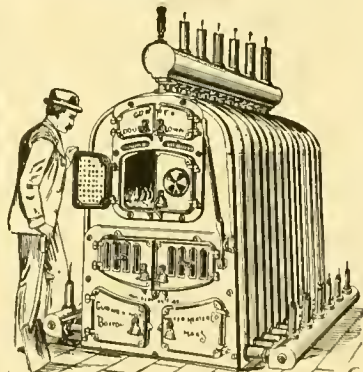
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Vol. X.

CHICAGO AND NEW YORK, APRIL 27, 1895.

No. 360

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August, 1895.

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April Orchids.

"The best bloom of orchids is over," such is the popular verdict. Like many another popular notion it is not necessarily true. It is possible to have your best bloom for any month that you choose to select your principal stock for. There are a few really good orchids which may be depended upon after you are out of Cattleya Trianae, which so far has determined the season of "best bloom." If a house were principally filled with the score or so of species named in this article, there would surely be plenty of April bloom in ordinary seasons and with ordinary treatment. All of the East Indian kinds are easy to propagate. More than half of the American ones, however, will need to be freshly imported from time to time if the best results are expected. There are specialists I know, who try to combat this notion, but confirmation may easily be had from any collection where buying has ceased for a few years. This test takes the conceit out of numbers of enthusiasts, and tires many an amateur.

This the florist may rely upon absolutely and completely, that he can never obtain "best bloom" from a hap-hazard miscellaneous collection. He must very carefully select his plants for the season during which he desires them, and give everything else the go-by. The man who will possess himself of 100 good fresh plants of each of the following, will after the first season be reasonably sure of a fine April display, with occasional blooms at other times from the cypripediums and from Cattleya Harrisonianum, Miltonia spectabilis, and Oncidium flexuosum. I repeat again that I have nothing to say about "pay." Florists who are in any way interested can judge their custom better than anybody else. Anything may pay if you can get a paying price for it. If you can get the price of imported stock plants of such an orchid as Arides Balandinianum for instance for your first cut of bloom, the following seasons may possibly pay you for your labor upon it. It cannot be increased to any great extent. The same is true of Arides Fieldingii, which is a superb flower for certain purposes, such as bending over a basket handle, or for a natural wreath for the hair. Unlike the first named, however, it is lacking in perfume.

There are several good dendrobiums which may be managed for April. D. densiflorum, D. Farmerii (golden) and D. suavissimum are among the best of the

yellow flowered ones. D. thysiflorum, of the same character, but white and yellow in coloring, and more uncertain as to season, is so well known that it scarcely needs mention. D. tortile for some reason is less commonly seen. In the best varieties it is a good and satisfactory orchid, rather slow to get into blooming condition from a division or a cutting, but when strong enough and well established, far too good to be lost sight of. D. Dalhousianum is a superb flower, one of the most striking in the whole genus in fact; some of the plants are ungainly and coarse, others again are dwarf and more compact. The flowers do not vary very greatly. Cymbidium eburneum, if wintered in an intermediate temperature, will usually flower during April. I mentioned it last month. Numbers of cypripediums may be selected, but C. Boxallii and C. Lawrenceianum will give two types which are perhaps as useful as any. These orchids, with the exception of the arides, may be increased by division to any reasonable extent.

Among cattleyas one of the most useful and certain for April is C. Harrisonianum. It is a small flower, slightly variable, easy to grow, and about the only one that you can be sure of getting along with indefinitely and in a reasonable time from small divisions. You can work up blooming leads in two years from a couple of sound bulbs, and this too after the stock has been under culture for half a life time. I do not know any other cattleya with a flower worth mentioning that I can say as much for. C. intermedia and its varieties, C. Mossiae in varieties, and C. Skinnerii, are all good orchids for this season if you provide yourself with fresh stock as often as the old stock peters out. Laelia purpurata is a grand good thing, and fairly durable under culture too. I know of a set of large plants which seem as good after ten years of culture which is by no means scientific, which flower as well now as ever they did. Some pains are taken to ripen the bulbs in autumn, otherwise they take what they can get. They occupy a good deal of space, however, and it is doubtful if they could sell for enough to pay their board bill.

Among oncidiums the little O. flexuosum is as likely to flower in April as any other season, in fact if you have a quantity of it you are pretty sure to have it. I have previously noted how easy it is to propagate. Oncidium ampliatum makes a splendid mass of bloom from freshly imported plants. It is by no means certain to ever repeat the process so well again however. If it could be bought as cheaply as tulips or hyacinths, it would be one of those things which a florist could often handle as an Easter flower. I fear the Indians in Spanish America are a pretty sleepy lot, or they would cut up a good many such things as this and staple them on to the trees to grow into blooming

THE pictures of Easter plant arrangements in this issue should prove a valuable suggestion to those who have not yet attempted anything in this line.

THE present backward spring does not afford much encouragement as to out of door flowers for Memorial day in the northern states, and preparations should be made accordingly. Better not throw out those carnations till you have cut a crop for this occasion.

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stock and accommodate people. There are a number of other orchids which bloom during April, *Miltonia spectabilis* and *Trichopilia tortilis* are two dull colored little things which are sure bloomers and easy to grow and propagate. *Vanda Denisoniana* again is pretty sure to bloom, but it is easy indeed for a florist to so load himself with orchids that he will neither see much bloom or in'crest in his investment. JAMES MACPHERSON, Trenton, N. J.

Orchids at W. S. Kimball's.

A visit to the establishment of the late W. S. Kimball is always interesting and instructive to any lover of flowers, and there is always something new and interesting to be seen there. Under the management of Mr. Geo. Savage the collection of orchids and stove plants has increased wonderfully, small insignificant bits of plants, bought only a few years ago, are now splendid large specimens. There was a large piece of *Dendrobium nobile nobilium* in a 7-inch pot, enveloped in a perfect mass of bloom, the brilliant shade and the size of individual flowers are something unusual, and it is worth while to travel for miles just to see this one plant. Mr. Sander of St. Albans, when in this country two years ago, pronounced it the best *D. n. nobilium* in existence. This specimen also was grown from a very small bit. The manager takes special pride in his well flowered dendrobies of every description, but says he does not take any particular care of them, they seem to grow anyway with him. The extreme counterpart of *D. n. nobilium* could be seen right along side of this, a pure white variety, *D. n. album*, broad waxy white sepals and petals and flowers of very large size. A number of *D. macrophyllum* in pans suspended from the roof were a great sight, the large flowers nearly fully expanded, on arching canes three to four feet long and flowered their full length; this is a very free grower here, and as it may be called nearly an evergreen variety it is supplied with abundance of water. Among them also is a pure white variety *D. m. Houttoni*, a very fine thing. A batch of *D. infundibulum Jamesianum*, with its extra large ivory white flowers and orange throat was at its best, and a finer lot may not be found. Canes are mostly all over two feet long and very stout and erect, flowering profusely like all the dendrobies on this place. A very desirable orchid, for it lasts over two months even in a warm house, and I have kept them myself in cooler quarters over three months in perfection. *D. Freemanii*, one of the lituiflorum section, is a perfect gem with its delicately colored flowers and made a good show. The *Wardianums* are very fine, some of the plants have extra large flowers and vary in color considerable, some being almost white.

In the cool house *odontoglossums* make a fine show still, and *coelogynes* are yet in fine shape, although many spikes have been cut. Fine large specimens of *C. cristata Lemoiniana* and also the pure white variety are covered with bloom yet. In a warmer house *cyripediums* are showing well, a lot of *C. hirsutissimum* in full bloom; this is a very desirable variety for commercial purposes, flowers very profusely. *C. Chamberlainianum* in quantity has been flowering for some time, and I do not know when they will stop blooming, as the many-flowered spikes show an everlasting amount of undeveloped buds, many variations are to be found in this lot. A bench of *C. Law-*

rencianum was only partly in bloom yet, many of them showing two flowers to the stem and the whole bench is bristling with buds; also a good variety for cutting. Among them is also the white form which originated here a few years ago. One of Pitcher & Manda's hybrids, *C. Josephianum*, with several flowers, is really a good thing. *C. Haynaldianum Kimballianum* is a very distinct bold flower, but the finest *cyripedium*, in my opinion, in bloom was *C. Rothschildianum*, with a splendid spike of four perfect flowers. The little plant is in remarkable vigorous health. This variety was exhibited some time ago in Boston with three flowers on the spike, but I never heard of a plant developing the fourth terminal bud.

It is a great gratification to the people of Rochester and perhaps for others too, that Mrs. Kimball has decided to keep this extensive collection of orchids intact and to keep up the whole establishment in the same style and manner as heretofore. The place is open to all visitors every day in the week excepting Sundays. Rochester, F. Y. J. B. KELLER.



Carnation Notes.

Shading is now in order, not much at first, just enough to keep off the intense heat of the sun. I believe the best material to use is naphtha and white lead; this is sometimes a little hard to remove in the tall, but usually the first hard frost does the business. Lime is very bad for paint and putty, but many of us leave shading until the last minute, and then we take the first article that comes handy, and as lime is more easily and cheaply procured than lead on it goes, and the result is we must do much more painting of the bars. Now which is the cheaper, figure a little for yourselves, and if you have any regard for your wallet I think you will not use lime.

Keep the houses moist; sprinkle the plants two or three times a day, it will not injure the flowers, at least it does not mine, and the sprinkler or fine sprayer is going much of the time. This of course only on fine days, but as the days grow warmer the plants will get the spray in cloudy weather.

There seems to have been an increased demand for carnations at Easter all around, and in many towns not enough to fill orders. Why? Simply that many growers throw out their carnations to make room for Easter plants, which they say pay better than carnations. This is possibly correct, especially when some very careful growers in this section are following this plan. There will scarcely be a full supply of carnations for Easter until growers make a specialty of them, growing them from the beginning until the end of the season, and as the demand for plants at Easter is increasing so rapidly and the crop from a house can be marketed in one week, the temptation is very great to throw out the stock for which you must be caring so much longer than Easter plants. It must be understood, however, that if you will retain the custom of a retailer your supply of any stock must be regular or a constant supply. There are varieties of carnations

that if grown properly and in sufficient quantities will produce a continuous supply. I have stated in previous articles how this can be accomplished. Albertini and Stuart have proven very unsatisfactory with the majority of growers, simply because of their tendency to come in crops. Some who have seen Storm King growing think it will be the same as the two mentioned, but as growing with me I believe it can be made to bear continuously as McGowan. Mapledale, a new pink sort to be sent out next year by Nathan Smith & Son, is in color identical with Daybreak, but the flower is larger, better shaped, and its keeping qualities can be judged when I state that it kept in fine condition for four days after arriving at my place from Michigan; the color remained distinct until the flower wilted.

CHAS. H. ALLEN.

Easter Plant Arrangements.

A basket of cut flowers loses its freshness in a few hours. Potted plants are somewhat clumsy gifts. Hence the demand for some form of floral Easter remembrance which will combine the delicate grace of a cut flower arrangement and the substantial qualities of a growing plant. Our illustrations show how this demand is met by some of New York's leading florists. The lily basket, the grouping of astilbe, roses and ericas, and the combination of hyacinths and adiantum are all good examples of Thorley's ingenuity. The basket of hydrangeas and lilies by Small is an effective and appropriate combination. Mr. Dards' azalea is a good example of the better class of the tissue paper dressing which has recently come into style.

New York Floral Fashions.

"Funeral work has been supporting the flower business," so remarked a prominent retail florist recently. He was commenting upon the economy practiced during the present season by the society people whose generous support is so necessary to the welfare of the florist trade. Wedding decorations this spring are mostly trifling affairs; for dinner parties and like occasions the quantity of flowers used has been small compared with other seasons; the former big trade in high priced roses for street wear has ceased altogether, and pretty dull times have been experienced. True enough, if it were not for funeral demands the flower business would make a poor showing under such circumstances.

Excepting among the cheapest class of buyers made-up designs of mixed flowers, pillows with inscriptions and so on are very seldom seen. Wreaths entire or crescent shaped, flat bunches of long stemmed flowers and occasionally a cross are the prevailing forms in which flowers are now arranged for funeral tributes. Baskets of flowers are sometimes sent, the flowers being carelessly laid in unmossed flat baskets. Boxes of loose flowers are seldom sent. The list of floral tributes at the funeral of the late Mrs. Paran Stevens will serve as an illustration. There were two wreaths of violets; two wreaths of violets and lily of the valley; three wreaths of white roses; wreath of white roses and violets; wreath of Bride and Baroness Rothschild roses; large wreath of lilies; wreath of pansies and lily of the valley; wreath of lily of the valley; wreath of galax leaves and violets; wreath of pansies; wreath of orchids; wreath of ivy leaves; large garland of bronze galax leaves, Augusta Victoria



BASKET OF LILIES BY THORLEY.
EASTER PLANT ARRANGEMENTS.

roses and *Adiantum Farleyense*; large cross of white roses, lily of the valley, white lilac and white orchids; large bunch of violets placed on the casket; bunch of mixed roses and lily of the valley; three bunches of longiflorum lilies; two bunches of American Beauties; bunch of yellow corn flowers and daffodils; bunch of white roses; bunch of lilies and red roses; bunch of white roses and lilacs; bunch of white orchids and gardenias; pair of palm leaves and lilac; pair of palm leaves and white lilies; pair of palm leaves with white roses and violets. This list gives a good idea of the custom now prevailing in fashionable society. Its characteristic feature is simplicity in design and composition; anything like ostentatious display is carefully avoided. It will be noticed that each piece is limited to not over two or three varieties, and these are never mixed together; solid colors are the rule, and mixtures are considered very bad taste, suggesting something like a clearing out of the odds and ends left in the ice chest. Galax leaves are extremely popular for funeral work. They come in such rich shades and harmonize so well in any combination that they have about driven the ivy leaf out of the market. Where expense is not considered casket covers of violets or of violets and lily of the valley are sometimes made. These arrangements are necessarily costly, and cannot be properly made under \$100 to \$200. Bunches of three or four dozen roses tied with white ribbon and fastened on the

side of the casket are very effective. Ribbon is regarded as necessary to give proper finish to a funeral piece, but it is used in moderation and made as unobtrusive as possible.

Where it can be afforded it is customary to decorate the house with palms. At the funeral above referred to a semi-circle of palms was arranged back of the casket in the room where the body lay in state. As soon as the casket had been removed from the house both plants and flowers were quickly transferred to the church, and rearranged in time for the services there. Instead of being sent to the cemetery the flowers were all divided among the various hospitals after the services, by request. A custom which has much to recommend it is that of preparing for the use of the family a complete list of the donors of the flowers. This is an embarrassing responsibility to assume, excepting where the florist has entire charge of the floral arrangements, in which case he can attend to this duty easily. The cards accompanying the pieces are also gathered together and bound with a strand of narrow black ribbon. The relatives are thus relieved of much anxiety and are enabled to fulfill their social obligations without the possibility of failure to acknowledge receipt of flowers from loss of cards or forgetfulness.

THE state legislature of Delaware will adopt a state flower, and it will probably be the peach blossom.

Reminders.

Now, after the Easter sales, our green-houses will not be so crowded, and we are enabled to give spring stock more room. In our own experience a gentle hotbed is a better place for many things than the benches in the houses; the moisture arising from the bed seems to suit the plants and promote growth. All soft stuff should do better in these frames if such structures are available, and therefore they may now have their final repotting, and as in most places the danger of very severe frosts is over, may go into the frames, which move will give us still more room to spread out all our plants that have been crowded into small space. We always wait until after Easter, before we repot our palms, dracænas, etc.; it is then plenty of time to get them in shape for next fall. Of course, in overhauling a lot of plants that probably have been used the past winter for decorating, a great number of them will be found damaged to such an extent that they are not worth keeping, but if a specimen palm has three or four good perfect leaves left, we usually grow it on, and by fall, after making this season's growth, they will be again in fairly good condition for renting out. If the younger leaves are in anyway imperfect or damaged, it is advisable to throw the plant out, for it would only be lost labor to try and grow them on, because several years' growth will not make a perfect specimen of such plants.

Large dracænas, which have lost their bottom leaves and look lanky, should be headed back at once, and the tops inserted in small bottles or tumblers, filled with water, to root. All dracæna tops will root surely there in short time, and make good plants. No bottom heat is required, only a shady place between palms or like plants. I wrote a little article on this latter mode of propagating dracænas a few years ago in these columns, but somehow I have never seen anybody put it in practice. Growers seem afraid to try it, and prefer the time consuming bark removing and mossing as being a surer way. If they would only try a few in water, soon they would discard the mossing, for it saves time, and there is no loss by decay or rot.

We also pick out our begonias now, which are intended for show or stock plants, and give them a very liberal repotting. The little things look for a while rather out of proportion for the size of pots we put them in, but we found that begonias will make a stronger growth under such treatment, breaking out in several places from dormant eyes and then, no customer when making a selection, will pick out these small plants in such large pots. In two months you will have nice specimen plants, and as by that time bedding stuff will all be disposed of, room in the houses will be available for a few specimen plants, especially if a show house is to be kept up all summer.

A few fancy caladiums, alocasias, marantas, dieffenbachias, etc., will, if started now, make fine specimens in a short time, the sooner you take them in hand now, the better. We do not take any care of such plants during the winter months, for there is no call for them then. We place them under the benches when winter begins, when we want the room for other things more valuable. All the above named plants will be great help to brighten up a show house in the summer months, and visitors will have something to look at when they come to your place. We also now take out from the corners and under the benches our aspidistras; there is now

plenty of room in the azalea house for them, also a number of old ferns, which were cut down within the last few months and have been set out of the way. A repotting and cleaning followed by a nice moist atmosphere will do wonders in a few weeks.

Everybody should grow one or two large plants of *Cissus discolor*. Plant two or three small plants in a larger pot close together, have plenty of drainage, and do not pot it in very heavy soil. Half of it should be old manure. When it begins to run and sent out its trailing shoots, some kind of a wire frame of any shape should be provided, and the new growth trained over this. A half shady position in a palm or fern house will be just what they want, and many a plant of this lovely climber will be sold when visitors go through your houses and have a chance to see a well kept specimen. In late fall or beginning of winter, if the room is wanted, the old plants may be set out of the way and kept almost dry until March, when the old wood may be cut up for cuttings, which root freely in any propagating bed with a little bottom heat. We prefer the old wood cuttings to the starting of the old plants into growth, for it saves labor and time.

In marantas there are a few varieties which will do in a dwelling house, such as *M. zebrina*, *M. pulchella*, *M. cuspidata*, *M. undulata*, *M. Massangeana*, etc., and we usually have a few of them on hand in the summer months, but in order to make people admire them a well grown specimen should be in view, either grown in a pan for the smaller leaved varieties, such as *cuspidata*, *undulata* and *Massangeana*, or in pots for the larger leaved ones. They grow luxuriantly in a warm shaded house in rather lumpy loose soil, and will take plenty of water while growing freely.

Fittonias in pans will be admired by everybody if well grown, and I would especially recommend *F. Piercei* or any red veined variety for the purpose, although the white veined *F. argyroneura* will do fairly well for a time after taken from the greenhouse. The red veined will bear the dry air in a dwelling without any injury; they are splendid things for fern-dishes all the year around, and may be grown entirely in the regular fern pans, which are specially manufactured to fit into the 8-inch jardinières. Fittonias root as freely as a *tradescantia*, and cuttings may be planted right into the pans. They grow freely all the year around, and a succession may be kept up without any trouble.

Dieffenbachia may be had in good shape inside of a month or six weeks if put in heat now. The pretty speckled leaves draw the attention of most everybody, if a well grown specimen is set in a place where its foliage as well as the full length of the stout stems down to the pot are in full view. This plant also propagates freely from the old stems cut up into single eyes and laid in moss mixed with sand where a slight bottom heat can be supplied. The young plants, after being potted, will do better if grown on in the same or a similar bed with bottom heat until well rooted through, when several of them may be planted close together into a pot and grown into specimens. The compost should be composed of rough material, and plenty of drainage is essential; lumps of old cow-dung, pieces of half decayed sod, a little peat and sand is a good mixture for all this class of plants. Shade, a close and moist atmosphere, is what they like, but plants intended for sale should have cooler quarters, for they would wilt if taken from the warmest house.



BASKET OF HYACINTHS AND ADIANTUM BY THORLEY
EASTER PLANT ARRANGEMENTS.

Young dracaenas of all varieties want attention now; give them a liberal repotting if the plants are in fair health; if not, then they had better be topped and inserted in water to make new young roots, because a stunted plant will never be a good specimen, and it is only time wasted to spend any labor on it. The stumps will answer for propagating purposes even if they are small. All the bright colored varieties will do well if plunged in the open ground after the middle of June, without any shade; the colors will come out more brilliant, and the foliage be harder and of more substance, not so easily damaged. In such a situation of course it would not do to take out very small stuff, but any good plant in a 4-inch pot or over will make a fine salable specimen before fall sets in, but don't neglect to water and to syringe them freely.

See that you have a plentiful stock of *Ficus elastica* for next fall. If you have not put in any cuttings yet or mossed the growths on old plants, there is no time to be lost now; do it at once, or you will only have small stuff next fall. Keep the young plants close and warm for a while after potting, and get a good start on them, then in June or July stake them securely and plunge outdoors in full sun. Keep liberally watered and syringed, and you will have fine perfect plants to sell, far better than stock grown under glass all the year around. A *ficus* grown in full sun outdoors is an entirely different plant from one grown under glass; the midribs of the leaves will be a dark red, also the protecting sheets over the top leaf, and such plants will find customers in any place.

J. B. KELLER.

Rochester, N. Y.

Chrysanthemum Uncle Sam.

ED. AM. FLORIST: In reference to the *chrysanthemum* Uncle Sam or James Comley we can set at rest any doubt as to their being one and the same. They certainly are. The variety was found by our Mr. Unger in a private garden in Tokio in the fall of 1891. We tested it and sold plants to an American firm the spring of 1892. In October of the same year Mr. James Comley visited Japan, saw plants of the variety in bloom and was so much taken with it that he purchased plants from us and others, though we informed him that we had already exported plants. We were much surprised to learn that the variety did not do well in America, for it certainly is a splendid thing as grown here. Grown under glass the flowers are of a much lighter shade than when grown in the open ground, and the latter are the finest blooms. With us it is one of the best late flowering varieties.

LOUIS BOEHMER & Co.
Yokohama, Japan.

Petræa Volubilis.

This is a beautiful greenhouse climber, belonging to the order Verbenaceæ. A genus comprising about a dozen species of beautiful, twining or arborescent stove shrubs, natives of tropical America. Flowers violet, purple or bluish. Nicholson says in his Dictionary of Gardening that the four species he describes, namely, *Petræa arborea*, *P. macrostachya*, *P. rugosa*, and *P. volubilis* are probably all that are in cultivation, and that they should be planted in good, rich mould. But I think he makes a mistake, when he says, "they should be kept in strong



BASKET OF SPIRÆA, ROSES AND HEATH BY THORLEY.
EASTER PLANT ARRANGEMENTS.

heat," as it is grown on the south side of the cool west house at the Botanic Garden, Washington, and that has just enough heat to keep out the frost in severe weather. Here it thrives admirably, and produces an abundance of beautiful flowers yearly, at this season, while when grown in heat it is infested with scale and mealy bug. This is another illustration that many plants are injured by being grown in too strong heat. It flowers in racemes about 10 inches long, and is readily propagated from cuttings in sand with strong bottom heat.

REYNOLDS.

Bougainvillea Glabra Sanderiana.

This new bougainvillea came to us last year from England, and we were rather doubtful about the claims coming with it, saying that it would bloom freely while young and small, for all bougainvillea we had hitherto grown, *B. glabra*, *B. speciosa* and *B. spectabilis*, are very shy bloomers until the plants have attained age and considerable size, and as to growing these varieties as pot plants and bloom them in pots, unless it was a 10 or 12-inch, we had utterly failed. Now we have been pleasantly surprised by a multitude of fine lilac-rosy bracts, with the tube of the

flowers proper, greenish outside expanding to a clear yellow on the inside. The flowers are rather larger and more prominent than in the old *glabra*, springing from the center part of the bracts. The panicles are produced everywhere, from breaks in the older stem as well as from the points of the growing branches. What the plant may do when planted out I do not know, but it has the appearance as if it would grow to be as large, in time, as the older varieties, for on several plants strong growths have started from near the base, which promise to make long running canes, but as yet I am not sure of it. Our plants are in 5-inch pots, are about 15 to 18 inches high, and 12 inches across. They were kept almost dormant, with just enough water to retain the foliage in winter, until the middle of February, when we placed them in a rose house to start and gave them a daily syringing and plenty of water at the roots. All have done finely, and would perhaps look better still if we had not removed a lot of cuttings from them, when new growth begun. Not expecting much bloom from the plants, and being desirous of getting up a little stock, we cut indiscriminately everything that would make a cutting, but when the second growth came on we found that

some of the little branches showed signs of bloom, and they were left alone. I have an idea that this bougainvillea will make a desirable Easter plant as a large specimen as well as in smaller sizes; it is so easily handled, and no trouble to have them at the right time. The habit is compact and bushy, so far as I can see in one year-old plants, and the treatment of them no more difficult than any ordinary hard-wooded plant. Probably the plants would have attained larger size, if we had grown them last summer under glass and pinched occasionally, but they were sunk in the ground among a lot of azaleas out doors and got no further care than watering and syringing, not even a repotting after July 1, and are to-day in the same pots. All the nourishment they received since was a dose of manure water once in a while after they were placed in the rose house in February.

The cuttings root nicely in sand in a much shorter period than the older varieties, and there will be no trouble about propagating them. All bougainvilleas will bloom more freely if the roots are somewhat confined, or if planted out until the surrounding ground is matted with their roots. They should have a well drained situation, too much moisture or very rich earth will cause too much rank growth and leaves. The flowers are produced very sparingly until the roots occupy the ground. From November to February they should be dried off, and then pruned into shape again before starting into growth. A very severe cutting in does not hurt them. These last notes have reference only to the well known old sorts, but I presume that Sander's variety will have the same constitution, and requires the same treatment. If bougainvilleas are planted in a moist place, where they have no chance of being dried off, the plant will produce a yellow, sickly foliage not at all pleasant to the eye in a well kept greenhouse.

J. B. KELLER.

Rochester, N. Y.

A Destructive Worm.

ED. AM. FLORIST: I send you specimens of worms which are very destructive here. They have been specially injurious to seedling plants, such as grevilleas, swainsonas, etc., eating the stem underneath the ground. Their presence was first made known by the plants tipping over as though they had damped off. On investigating we found that the plants had been severed from the roots just below the surface of the soil by this worm.

Libonia, Pa.

W. F. SCHMEISKE.

[We submitted the specimens of Prof. L. O. Howard, Government Entomologist, who writes as follows: "The creatures accompanying the enclosed letter from Mr. W. F. Schmeiske are Myriapods and not insects. The species is known scientifically as *Paradesmus dasy* Bollman and it has no common name. It belongs to the sub-class Chilopoda, including most of the so-called centipedes. These species are not especially destructive and I have only occasionally heard of such damage as that reported by Mr. Schmeiske. The only remedy which has been tried with any effect is that of trapping the creatures by slices of raw potato poisoned with Paris green."]

CHARLES W. SHERFREY of Nebraska City is the first member of the Florists' Hail Association to meet with loss this year. He carried a double insurance, which will be promptly paid.

JOHN G. ESLER, Sec'y.

New York.

Ever since Easter trade has been exasperatingly slow. This is the report made generally by the retail and the wholesale florists, and the appearance of their establishments confirms their statements, for flowers are much more abundant than customers are, and such sales as are made are small in amount. A full supply of all varieties is being received. Roses, while not as badly overstocked as on some previous occasions, are in excess of the demand. Among the prettiest things in this line are the moss roses, which two or three growers are cutting freely and of finest quality, but which do not meet with that appreciation which they are entitled to. Evidently the New York market has no disposition yet to return to the smaller varieties of roses, even though they be moss roses, and size will continue for some time to be a first consideration in determining a rose's popularity.

Carnations are inclined to be overplenty, especially in the scarlet sorts. Portia has to be sold at a low price to get rid of it, but from its abundance it is plain that it easily makes up in quantity what it lacks in the price list. Wm. Scott continues to head the list of market varieties in price and demand, always excepting, however, the peerless Helen Keller, which is easily the highest priced carnation on this market. But it has not yet had a test in large quantity. Lilies are extremely plentiful, and it is not possible to hold them to any regular figure. As one wholesaler puts it, "We are open to sell them if we only get an offer." Among the most annoying elements just now are the outdoor daffodils and tulips, which are being loaded on to the market from points further south. When this begins quotations on bulbous stock become impossible.

The plant peddlers' wagons, loaded with bright hued geraniums, are seen in large numbers in the residential districts, and are reminders that gardening time has come around again. Mr. Joosten, who is a large importer of roses, says that the number of rose bushes of all varieties handled by these peddlers is almost incredible. They are also quick, he says, to recognize varieties, and are experts as to quality. Roses also sell well at the auctions. Prices paid this season are higher than for some time past, and the demand seems unlimited.

The sad news comes from Flatbush that popular Gus Bergman is dangerously ill, with little hopes of his recovery. G. Messeberg also, who has been sick for several weeks, is reported to be much worse, and is not expected to live more than a few days.

H. A. Siebrecht delivered an instructive lecture on orchids before the Torrey Botanical Club at Columbia College on the evening of April 24.

Visitors in town: Edwin Lonsdale, H. H. Battles and John Burton, Philadelphia; Geo. A. Sutherland and Wm. Ingram, Boston.

Jacob G. Bebus, wholesale florist, has failed.

Boston.

The week following Easter has been a fairly busy one for everybody. Scores of impatient brides and grooms to whom it seemed as though Lent would never end have at last given the florists all they could attend to. So the retail florists are in the main happy and growers and wholesalers all come in for their proportionate share. The long delayed spring



DRESSED AZALEA PLANT BY DARDS.
EASTER PLANT ARRANGEMENTS.

weather has finally got here. Outdoor work is crowding hard on those whose business lies in this direction and bedding plant growers find plenty to keep them busy, too. The first auction sale of the season by N. F. McCarthy & Co. was in every way satisfactory. Prices equal to and often in excess of those quoted by foreign houses for goods delivered on the spot were realized for roses and other dormant hardy stock.

Cut flower receipts have been moderate in quantity and rather under the average as to quality. The market, which would otherwise have been good, was somewhat disturbed early in the week by the unsold stock left over from Easter, but altogether there has been a good demand at reasonable prices for all the really good flowers coming in. Carnations are a little reduced in size in consequence of the hot sun, but prices hold up remarkably well and fair stock goes at sight. In roses Brunner leads at present. Geo. Wilson is cutting heavily from this variety and the quality is fine.

April 19, Patriot's Day, being a holiday here was spent most delightfully by a dozen of the local fraternity as guests of Mr. Ed. Hatch at his seaside cottage "The Breakers." Mr. Hatch fairly outdid himself in hospitality and all past records at this famous shrine were eclipsed.

Visitors in town: Geo. C. Watson, Phila.; Winfried Rolker, C. H. Joosten, J. S. Taplin, New York; Jos. H. Veitch, London. Mr. Veitch, who is the head of the famous house that bears his name, is now making his initial visit to America.

Geo. A. Sutherland and Wm. Ingram have just returned from a three days visit to New York.

Prunus Davidiana is now in full bloom. This valuable novelty is the earliest in bloom of the hardy shrubs and trees, beating the forsythias by from one to three weeks.

Ed. Hatch will sell roses and imported stock in general for C. H. Joosten on Wednesday, May 1.

Bowditch & Co. have closed up.

Chicago.

Trade reports are not very encouraging this week; there is plenty of stock in the market, and very little sale for it—in fact the general verdict is that there is no business in town, and it is only the outside shipping trade that empties the dealer's icebox. Even the fakirs share the general depression, and complain that there is nothing doing. Four bright warm days have brought stock on in great quantities, and in very good quality. Roses are fine, but sell for very low prices. Select Beauties range from 16 to 25, and a good many are sold below these figures. Large teas range from 2 to 3 for good average, 4 to 5 for extra select. Mixed roses are quoted at 3, but on Thursday it was stated that 7.50 to 10 a 1000 would buy good average stock. Hybrids do not sell at all, in spite of the fact that they are very good. Some of the largest hybrid growers say they will grow none except Brunners another year.

Carnations are more plentiful than they were last week, there being rather a glut on reds, but whites are still scarce and in good demand, bringing the price of fancies. Portia is going slowly, as there is now an abundance of good Garfields. Reds are 75 cents to 1, white 1 to 1.50, fancies 1.50, excepting some extra stock



BASKET OF HYDRANGEAS AND LILIES BY SMALL
EASTER PLANT ARRANGEMENTS.

bringing 2. Violets are growing poorer and smaller; they stand at 75 cents. Bulb stock is very dead; there is very little sale for anything in this line except valley, which still brings 3.50 to 4.

The scarcity in greens still continues; there are no ferns in the market, though it is expected that in a day or two Tennessee ferns will be supplied. Smilax is still scarce at 15 to 20. The shortage in common greens has been very inconvenient, and it is said that in many cases the florists have had to fall back on rose leaves for backing.

Sweet peas still hold at 1, and are very good indeed; they are not yet very plentiful, but it is likely that two or three days will make a great difference in the supply, and the price will begin to take a downward turn. All classes of stock are excellent in quality this week; it is only buyers that are wanted.

Recent visitors: John Speelman, of C. J. Speelman & Sons, Sassenheim, Holland; Mr. Ingram, representing Hugh Low & Co., London, Eng.

Mr. H. A. Bunyard is still at the Alexian Brothers' Hospital, but is now able to sit up and will be about again in a week or ten days. Harry says: "If I had had my sketch book the first week of my fever I could have sent you some wonderful pictures of improved roses and carnations, and water melons that would have forever settled the colored race question. I could also have contributed largely to the "Zoo" at Lincoln Park,

and could have knocked some of those sea serpent yarns into a cocked hat. But now these have all been gathered in and I sleep in peace once more."

At the meeting of the Florist Club last Thursday evening President Kidwell was unable to be present and his essay was deferred till next meeting. The lease of the present meeting place having expired the trustees were instructed to take a new lease for another year, arranging for only one meeting a month (the fourth Thursday in the month). Mrs. E. T. Royle was elected an honorary member of the club. Mr. John J. Gormley was elected recording secretary for the remainder of the current term. A letter from the American Carnation Society asking the appointment of a committee to inspect and report upon seedling carnations originating in this section was favorably considered and the following committee appointed: Mrs. E. T. Royle, E. Buettner and Chas. Hartwig. Mr. E. Wienhoer displayed some samples from a lot of plants of the Belle Siebrecht rose just received from the introducers and made some very sarcastic comments on the quality of same. The samples shown were hardly more than rooted cuttings, and a very poor grade of cutting at that.

Rochester, N. Y.

The past week was not what we should call a very busy one, but flowers were plenty and sold well. Roses of all grades

are coming in, the best bring good prices, while inferior stock is rather low, joblots being sold at \$20 to \$30 per 1000. We had several weddings in this city, which called for elaborate decorations, and these used up a good portion of surplus Easter stock in blooming plants as well as large quantities of roses, carnations, and thousands of violets. Long-stemmed violets are scarce, those coming from frames are rather short, but the flowers are good size. Good valley is getting scarce also, but bulbous stuff of all description is abundantly supplied, and we may look for out-door grown hyacinths, daffodils and tulips next week. The steady warm spell we had since Easter brought out all such stock in a hurry and also roses, carnations, etc., under glass, so that an abundance of cut flowers may be looked for in this section from this time forward.

Spring work has commenced in earnest with the growers, every one of them is busy getting ground ready for planting out, and as we had such steady cold weather up to Easter everybody is behind with out-door work compared with other seasons.

All our retail men are satisfied with their Easter trade, and say they have done fully as well as other years, but they find that delivering blooming plants in such quantities is not such a very pleasant job at Easter. Inexperienced drivers handle these goods too roughly, and however carefully the plants may have been wrapped, tied, and packed in the wagons, by the time they get to the end of the route, some of the plants have suffered more or less and complaints will surely come in afterwards. With cut flowers packed in boxes this very seldom happens.

Our friend Chas. Swift of the Kimball greenhouses is recovering slowly but surely from his accident; he now is able to go about on crutches. His friends all hope to see him at his post again in the near future. J. B. K.

Pittsburg.

The last regular meeting of the Florists' Club was held in the superintendent's office, Phipps Conservatory, with a very good attendance. The members, after viewing the conservatories by electric light, were called to order by the president at 9 p. m. The special feature of the meeting was the appointment of the several committees to look after the interests of the coming convention. The president appointed the entertainment, reception, ladies, hotel, press and bowling committees. The local men are taking great interest in the convention, the business men are looking towards it, and everything points to the cordial welcome for which our city is noted to the members of the Society of American Florists. The Alvin Theatre, which has been selected for the convention, admits of having the trade exhibit and the convention under the one roof, with every possible convenience and comfort for the guests. It is centrally located and within easy reach of many good hotels.

The Easter trade of the florists in this city has never been equaled before; all the dealers claim it was the most satisfactory Easter trade they ever had. Many of the florists attribute the increase of the flower trade to the Phipps Conservatories, both in Allegheny and Pittsburg.

The conservatory in Schenley Park has attracted people by the tens of thousands. Easter Sunday 19,000 people passed through the doors, and during the Easter week work was partially suspended to allow visitors to enjoy the sights. The entire range of houses was lighted by

electric light and an orchestra played enchanting music each evening to large and appreciative crowds of visitors. With four large show houses of calceolarias, azaleas, lilies, hyacinths, tulips, cinerarias, spiræa, genistas, etc., all artistically arranged to make best effect possible, it was the show of the season.

Randolph & McClements have leased the Jao. R. & A. Murdoch greenhouses adjoining Schenley Park, to take possession June 15. They are also opening a new store on Penn avenue.

Patterson Bros. have sold their 6th avenue store to A. W. Smith of the South Side.

Some of the dealers are feeling a little hurt at the groceryman cutting prices, but still the regular florist people are doing a good comfortable business at fair prices. All the dealers in the city are busy, and the outlook is very bright for the best on record.

The city has passed the ordinance for the issue of \$1,750,000 in bonds for park improvements, and \$500,000 for new boulevards, which will place the parks in fine shape. BROWN.

Philadelphia.

Things have been quite lively the past week, the spring crop of weddings developed very well, and there are still quite a few to take place before the fateful first of May. Flowers of all kinds have been very plentiful, and the growers find it hard work to dispose of their increasing stock. The fakirs are now in their glory and the streets are lined with their boys, with baskets piled high with all kinds of choice stock. Short Beauties are their specialty; these are sold at from 3 to 6 for a quarter. The price of roses has taken a drop and \$6 is now high for best ordinary stock of the larger teas, a few extra selected bring \$2 more, and a great many fine buds are also sold for 4 and 5 per hundred. Smaller roses are 3 and 4 and sell slowly. Best Beauties sell for \$4 per dozen and from that down. Brunners the same, with the exception of Anderson's, which we believe bring \$5. Baroness and Laings go for 3 per dozen.

Carnations are beginning to feel the effects of the heat and are now 1.50 and 1 in quantity per hundred. Violets are poor and 50 cents per hundred is top figure. Longiflorums and Harrisii are a drug and are nominally quoted at 6; there must have been a good many that did not make Easter. Hydrangea heads are also to be bought by the basketful. To judge from what the growers say the bulb men are having a hard time taking orders; at almost all times the past season tulips were in over-supply, and yet there did not seem to be a great many about. The public is evidently tired of this flower.

The bedding plant men are now as busy as bees crowding every inch of space with spring stock. The warm sunny weather of the last few days has started the trees and many in sheltered places are coming into leaf, the early magnolias are in full flower, and in a few days more lilacs will be in. There seems to be no disposition among the growers to add any great quantity of glass; most men seem to have enough and appear more concerned as to what to grow and occupy the room they now have most profitably.

The Gun Club had a shoot last Tuesday; they seem to be getting ready in earnest for the contest of the coming convention, although the present shooting is more for pleasure than practice.

Robert Craig delivered an address be-

fore the Baltimore Florists' Club last Monday evening. He reported a rousing attendance and great interest in the proceedings. He came back with the feeling that the Baltimore brethren were very much alive, and that their Florists' Club was a great organization.

It is not yet determined just where the May meeting of the Philadelphia Florists' Club will be held, but notices will be sent out in a day or two. There will be quite a few new carnations on exhibition, and any one having anything new to bring before the trade would do well to send it to Robt. Kift, 1725 Chestnut street, chairman of exhibition committee, in time for meeting, first Tuesday in May.

The headquarters of Secretary Farson of the Horticultural Society is now 1414 South Penn Square, room 43. His office is not large, but he is just as glad to see his friends as of yore. K.

Baltimore.

The social meeting of the Florists' Club Monday night, April 22, was an unqualified success, and the members who conceived the idea are worthy of great praise for their work. The net results of a most enjoyable evening were a large increase in membership, including several of our most valuable workers in the past, who had drawn out, an invaluable improvement in the kindly feeling and good-fellowship of the club, and an uplifting of the courage and energy of all hands to a point that will insure a successful show. Mr. Robt. Craig of Philadelphia had been invited to speak to the club, and delivered an address that for practical and thorough ideas on matters connected with the trade would be hard to equal. He laid special stress on harmony as a prime essential to the successful development of the trade in any city, and his remarks were received with profound attention and frequent applause.

He was followed by Mr. Jas. Pentland, who after describing early days in Philadelphia, when the Pennsylvania Horticultural Society met in a cellar under the mayor's office, corner Fifth and Chestnut streets, and later on, the time when he was one of the four florists which the city of Baltimore could boast, finished by counseling better feelings among members of the trade, a high standard of quality for flowers and plants, and truthfulness. To illustrate the last he told a story which seemed to bear rather hard on the market men, and which was commented on good naturedly by Mr. Wm. Cristie later. Mr. E. A. Seidiwitz thought the club all right, but suffering from a kind of starvation intellectually, as the large audience to hear Mr. Craig testified. Mr. John Donn followed with a short address. He had been represented at every exhibition of the old Maryland Horticultural Society, and would rejoice to see the way clear and the spirit abroad that would bring him back to the club, so that we could all get along harmoniously together, and equal or exceed all past efforts.

Mr. W. A. Ekas being called on said he never made but one speech in his life, and that when he was ten years old. This speech he repeated, to the great delight of all present. Mr. Chas. Hamilton wanted all the old war horses back in their places. Mr. Brummel could not say much among growers, but was at home in questions of nomenclature, in proof of which he gave us an instance. Mr. Fred Burger felt diffidence among so many older members, but was glad to see so many out, and particularly struck with Mr. Craig's remarks against petty jeal-

ousy. Mr. Wm. Cristie said he was more than happy to be here, agreed with everything said except about market men, and told of an experience in market very nearly the opposite of Mr. Pentland's.

Mr. Wm. McRobertis thought the appearance of so many a hopeful sign for the club. Hoped they would all join and continue to come, when we would make them good members and they would help us to be a good club. Mr. N. F. Flitton hoped to see every private gardener in the county a member of the club. Mr. Henry Bauer would say to every word spoken to-night yea and amen. "Do what you have said and do what you have been advised to do, and I am with you."

Mr. Wm. B. Sands made one of his usual happy speeches, full of droll anecdote, and after the consequent laughter had somewhat subsided, a short recess was taken, during which the utmost good-fellowship prevailed. Don't suppose the committee in charge were idle during all the speechifying; waiter after waiter piled with good things was passed around, with cigars as a beginning, and again, after the appetites of all seemed satisfied, as an ending. After the recess Mr. Robt. Craig was unanimously elected an honorary member, and made a short speech, in which he said 'Gardening as a profession is the equal of any profession. It is a great art. It is coming up. It has a great future. The man who plants the landscape will receive as great honor as he who merely paints it on canvas.'

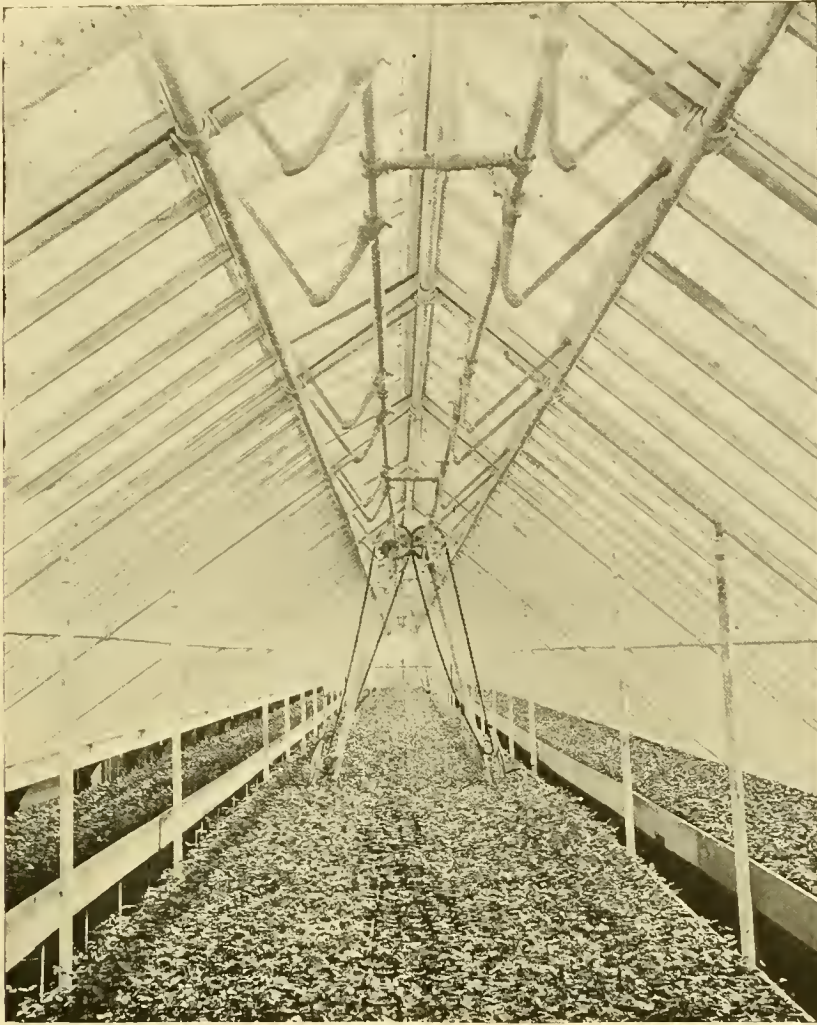
Mr. Jas. Pentland being proposed for re-admission to membership, on motion the rules were suspended and he was unanimously elected, all present joining in three rousing cheers for the Nestor of the trade in Baltimore. After receiving twenty-six proposals for membership and appointing a committee for them, all joined in singing "Auld Lang Syne," and slowly separated.

The beautiful clusters of swainsona on exhibition were from Mr. A. L. Black, and included with the well-known alba, a large and showy pink named S. rosea, also a smaller flowered purple labeled S. coronillaefolia, and another pink called S. Greyana. Mr. B. has imported a lot of swainsonas from their native habitat, and promises some more fine things among them, notably a yellow flowered one. The carnations shown, which were in several varieties, were certainly superb and came from Mr. Weber of Oakland, Maryland.

Not much change can be noticed in this cut flower market. Violets continue rather scarce at forty cents; carnations and roses, in fair supply at a shade lower rates than last week. MACK.

Buffalo.

Contrary to custom and what is expected the week following Easter was by no means a busy one, and we were all prepared to do a rushing business, as fine weather brought in any amount of flowers of all kinds. There must be a crop of weddings in the near future, perhaps they are postponed till more settled weather. It would be useless to quote any price on flowers now. Roses, carnations, violets, and all bulb stock are very plentiful, and with a light demand purchasers have it all their own way. Plant men are not worrying so much about that, as they are up to their necks preparing for spring trade. There is not likely to be any decrease in that branch of the business, as plants for the garden, flower beds, and verandas have become a necessity.



SIEBRECHT & WADLEY'S NEW ROSE HOUSE.

Our beautiful Forest Lawn Cemetery authorities have just let the contract for a fine conservatory to be connected with the chapel; it is to be as handsome and complete as money can make it. This is as it should be, for it will be greatly appreciated by thousands whose mournful duty calls them to this city of the dead.

There is another change at the fine private establishment of Mr. G. H. Lewis. Mr. Fitzgerald has left, and a gentleman from Philadelphia has taken his place. We wish him the best of success. This place is now complete enough to occupy the attention of a first-class man.

If not too late in the day some retrospective thoughts of Easter occur to me. I forgot in my last to mention church decorations. Ten years ago the great feature of the Easter trade was church decorations. Nowadays the latter has taken a back seat, if I may use such an expression, and why? Not because churches don't decorate, but because the general business has increased three fold. All the churches that ever decorated did so as usual, perhaps not as elaborately as in days of old, but all to some extent. Groups of lilies and a back ground of palms were the prevailing decorations. Where are the harps and lyres and wreaths and crosses gone that used to keep us up one continuous 48 hours without a wink of sleep, and where are the departed baskets of flowers that were

sent as Easter gifts to dear ones? They are gone, and it is safe to say they never will be missed. The departure of these fashions is merely the evolution of our business, and what live florist would like to deny that our business is subject to that inevitable process, and why regret it? The only thing to do is to adapt yourself to the change as quickly as possible. The amazing growth in the business in ten years, if of a changed nature, should satisfy all. There seems, in reading the reports carefully from all quarters, a remarkable fact brought out, almost all are unanimous that sales were quite equal to last year, and in many cases ahead of last year, but supply was amply enough for everybody, and in many cities there was a slight surplus. This fact should be pondered over and remembered for use another year. Locally we have several features in the Easter trade to be thankful for. I did not hear a word about salted stock. Our friends in Rochester grumble a good deal on that score, perhaps it's because they live so near the saline city of Syracuse. How strange that Buffalo with other northern and western cities, should have been blessed with fine weather while our eastern and southern brethren were handicapped by rain storms. If we had had such a Saturday as "Mack" of Baltimore describes I know of one man who by this time would be safely deposited in a refuge for the insane. W. S.

Siebrecht and Wadley's "Model" Rose House.

The rose house shown in the illustration was built to accommodate the young stock of the Belle Siebrecht rose. It is 20x240 feet and 14 feet in height. The special novelty in its construction is that its frame is entirely of 1¼-inch pipe. Mr. Siebrecht claims for this method it rusts less and gives less shade than the ordinary flat iron generally used, with the additional advantage that any man can put it together. It is heated by steam and the glass is 16x24 double thick second quality French.

Indianapolis.

The regular meeting of the Indianapolis Florists' Club was held at the club rooms April 3. The meeting was well attended and two excellent papers were read. One was entitled "Floriculture 20 years ago," by Robert McKeaud, touching many points of interest to the younger florists, the trials and tribulations of an old time florist, compared with the advantages now, show as great a difference as in the quality of the flowers grown. The writer has grown up with the business and several anecdotes happening during these old times kept the members smiling.

"The local park situation," the paper read by Mr. F. B. Alley, was of great interest to those present, showing what could be done by the new park commission created by the late legislature. It was decided to have refreshments and amusements at the monthly meeting in May. The premium committee of the state society for the chrysanthemum show gave notice that it would meet at Indianapolis some time in July to complete its list and make further arrangements.

Mr. G. E. Schwarz, formerly with Mr. Bettman at New Albany, has started in the general greenhouse business at Ellwood, Ind., the enterprising young manufacturing town in the gas belt. He has two houses 30x14 and 100x18, heated by steam.

Mr. Fred Heipl Jr. of Terre Haute, being in Indianapolis last week, reports his trade as excellent during Easter, much better than expected.

The local Easter trade was in some regards disappointing. There were plenty of flowers with some; those handling only a limited quantity of course sold out and report trade good, while those handling larger quantities did not dispose of their stocks altogether. The shipped stock was, as usual, in bad shape with few exceptions; it is plain that this stock is kept on hand several days and when exposed to the light collapses and is a total loss. It is much better not to have it at all; it is annoying waste of time, and if used at all a bad card for the retailer. In most cases a decrease of 25% is reported, but greater competition would about equalize it. The retail prices were 25% less on most flowers. With few exceptions there was an over-supply; the local stock was good, but shipped stock was pickled as usual. There was good demand for some lines of plants, especially good lilies and cinerarias. But a good many complain that altogether business was not quite up to expectations.

A large department house in this city is in a measure the cause of lowering prices of flowers, and also bringing the quality of flowers in disrepute, it is not legitimate business to advertise in great shape roses at 50 cents a dozen, Beauties 1.50 and 2, carnations at 19 cents a dozen, etc., when

in fact their stock is so limited as to be ridiculous.

The local market Tuesday, Thursday and Saturday is a flower show in itself now, and many people avail themselves of the opportunity of purchasing cut flowers at low prices, some very good flowers are sold there. Three years ago it was easy to count the regular market florists, but now it seems every market day brings a new one.

During a recent visit of the writer to Chicago he happened to see the California car load of flowers being transferred to a wholesale florist's place; the calla lilies were with few exceptions badly withered, dusty and spotted. As they are very likely raised outside the color is a dull cream, they have not the pure delicate white as when raised in the greenhouses. They were packed in glass boxes, stems bedded in moss. Some yellow marguerites came in fair condition. Eucalyptus, palm leaves and other green stuff did not last long after leaving the cold storage car. The experiment must have been a dead failure. W. B.

St. Paul, Minn.

So far this month the weather has been perfect. The spring has been the earliest known in years. Easter trade was good, probably better than ever before. Stock was abundant and good, buyers were plentiful, and while prices were somewhat lower than last year the aggregate of sales was much larger.

In the plant line lilies, roses and hydrangeas were the best sellers, with azaleas, spiræas and pelargoniums in only moderate demand. A year ago pelargoniums would sell at sight; this year there was but little sale for them. Spiræas, once the mainstay for church decoration, are used but little for that purpose now. The new varieties, compacta multiflora and astilboides floribunda have quite superseded the old japonica in this section.

In cut flowers nearly everything sold well. The supply was equal to the demand in everything but carnations. Prices ranged a trifle higher than during Lent, the best Brides, Testout and Bridesmaid selling at \$2 per dozen. Tulips, Von Sion, valley and Romans retailed at 75 cents per dozen. A few fine Beauties brought \$4 per dozen, while violets were eagerly sought after at 50 cents per bunch. The shipping trade was never better. But very few set pieces were made for the churches, and few baskets were sent as gifts. All this had a tendency to make the florists' work lighter. The weather being perfect for delivering plants the losses will amount to practically nothing. All the stores were well decked in holiday attire, the most notable displays being made by L. L. May & Co. and A. S. Swanson. At the former place a very artistically dressed window was the cynosure of all eyes. On the other side of the door a huge cross of Easter lilies ten feet in height received much favorable comment. Swanson had a special display in a store rented for the occasion. His stock consisted of lilies, azaleas, roses, spiræas, and some extra large specimen pelargoniums.

Sales since Easter have been good. Stock is abundant and roses especially of extra fine quality. Carnations are also in their prime. Bulbous stock moves slowly and will probably not be so largely planted another season.

Hougen & Nilssen are still cutting good violets. E. F. Lemke is the first to have sweet peas in the market. L. L. May &

Co. have a fine lot of *Gladiolus Colvillei* just coming into bloom. They are planting now two houses to roses for summer blooming, Meteor, Kaiserin and Albany.

We have had the commercial men with us during the week as follows: J. E. Killen of Philadelphia; A. T. Boddington of Short Hills; C. B. Whitnall of Milwaukee; K. J. Kuyk of Ghent, Belgium.

FELIX.

The business is I believe more demoralized in the Twin Cities than in any other city from which I have seen a report. This is due to the very sharp competition. Pot hyacinths have been extensively advertised in both St. Paul and Minneapolis all winter at 10 cents each, and as there was more than enough to meet the demand at Easter the price could not be placed higher even at this holiday.

Harrisii was also in a bad way. In St. Paul one of our leading clothing stores advertised 2000 plants for sale on Friday at 25 and 50 cents each, and they were good plants with from 5 to 8 buds. I can not understand how a retailer in the same city can see any advantage in disposing of a quantity of leading holiday stock to be sold at such a figure a day before Easter. I do not know what was paid for it, but presume it must have been about 15 cents a plant, at which price a retail florist in Minneapolis sold some hundreds of plants the week previous to a department store in the same city; these were also good plants with from 4 to 7 buds. These prices being advertised broadcast a few days before our harvest had a very depressing effect on the business. It makes us jealous to read the reports from cities like St. Louis and Cincinnati, cities so much to the south of us where they realize more at wholesale than we do here at retail.

There was a tremendous quantity of stock on the market this year. If we had had bad weather, I do not believe half could have been disposed of. As the weather was decidedly in our favor a great quantity went out from the stores before Sunday morning, still there was a good deal left on hand. One Minneapolis florist had some 1,500 plants in full bloom in the houses Monday after Easter. In St. Paul most of the lilies were disposed of at some price, but there were a great many hydrangeas, pelargoniums, and some azaleas, and bulbous stock without limit almost, left on hand.

Church decorations were this year simpler than ever; most of the churches depended entirely on private donations of plants for their decorations. There was plenty of cut flowers also, as one clothing house here gave away on Saturday afternoon some thousands of roses and daffodils to their visitors, a distribution I hardly believe they would have made had not the stock been bought very cheap.

AUG. S. SWANSON.

Toronto.

Business has kept up pretty well during this last week, the weather having been exceptionally fine and mild, the horse show, a fashionable event and a great success, brought many distinguished visitors into town and also contributed to keep the Easter bustle going. The market on Saturday was very lively too, and really begun to look like its proper self again.

I was glad to see in the last issue of the FLORIST your New York correspondent deprecates the abuse in the flippety floppety, snobby-nobby tissue paper and ribbon decorations on flower pots, said

to be fashionable just now. In moderation as a simple pot cover they are just enduring, but let us return to our lycopodium.

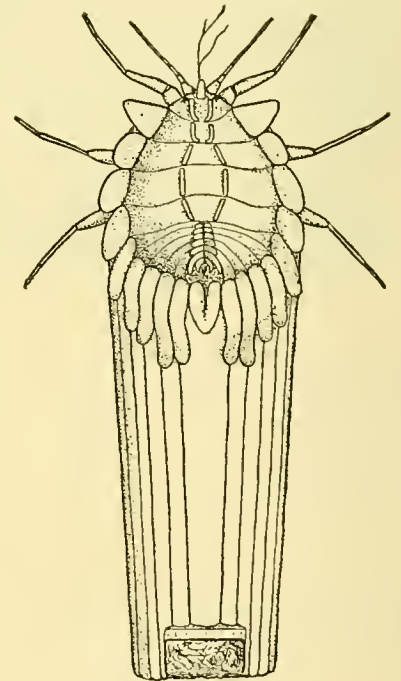
The last meeting of the Gardeners' and Florists' Association was very well attended. Seven new members were elected and five more nominated. The business was of an extremely lively nature, a great many fine constitutional points were brought up for the decision of the president, who used up a whole constitution book before the meeting was over, after which he declined to decide any more, and told the members that it might be advisable to get down to work. Several notices of motion to amend the constitution were given and some sections of the chrysanthemum show prize list, thought to have been settled at the meeting, were again maned over. Would it not be a good idea to have an essay and discussion sometimes, something a little instructive, and leave the constitution and the prize list, after it has once been adopted, alone? E.

The Greenhouse Orthezia.

Orthezia insignis Doug.

[From Bulletin No. 28 of the Mass. Agricultural College].

The despicable little insect figured on the accompanying plate is one of the newest pests in greenhouses. It is a tropical



THE GREENHOUSE ORTHEZIA.
Magnified 20 diameters.

insect somewhat closely allied to the common mealy bugs familiar to every florist. It was first brought to notice near New York City about five years ago and has now become very generally disseminated through the adjoining states. In Massachusetts it is most common about Boston.

The greenhouse orthezia has its mouth parts formed for piercing and sucking, and obtains its nourishment by imbibing the plant sap, like all other species of the family to which it belongs. The young are very small, and would hardly be discerned on a plant were it not for the presence of snow-white plates of waxy matter which occur on the back and sides, and which contrast strongly with the darker background of the body. The



Mrs. H. L. Romig, white.

Louise D. Black, yellow.

NEW CHRYSANTHEMUMS SHOWN AT THE LAST PHILADELPHIA EXHIBITION.

adult females are about the size of the head of a pin and resemble the young in appearance, but bear in addition to the white plates on the back and sides a somewhat cylindrical sac of the same substance, which projects for some distance behind the insect and in which the eggs are carried. At the posterior end of this sac is an opening through which the young crawl soon after hatching from the egg. The young are then quite lively, and scatter well over the stem and underside of the leaves of the plant. As they grow older they become sluggish, but always retain their power of locomotion. The mature males have a single pair of wings, and being very minute and also rare, are seldom noticed. The engraving shows the female from above, magnified twenty diameters.

The greenhouse orthezia has not as wide a range of food plants as the mealy bug, but it attacks a greater variety of plants than most florists are aware of. It has been found on lantana, verbena, lemon verbena, coleus, salvia, libonia, peristrophe, ipomoea, ageratum, cineraria, eupatorium, stevia, chrysanthemum, pilea, cuphea, oxalis, pelargonium, abutilon, malvaviscus, fuchsia, heliotrope, periwinkle, potato, mint, white violet and forget-me-not. In tropical countries it is reported as infesting citrus plants. On all in the list as far as chrysanthemum, when allowed to increase without molestation in the insectary greenhouse, it became sufficiently injurious to cause the death of the plant.

Coleus appears to be the most favorable plant for its increase, and it is of its injuries to this plant, especially to the variety *Verschaffeltii*, that florists most frequently complain. During the winter it is very destructive to the coleus cuttings in the greenhouses, and if at all numerous on the young plants when they are set out in spring, it is almost sure to increase in a short time to such prodigious numbers that it kills or greatly weakens the plants before frost in the fall.

REMEDIES.

As the plants which this pest infests are mostly tender annuals, it is difficult to destroy the insects with insecticides without injuring the plants. This makes preventive measures of more importance to hold the insects in check than remedial ones. Most of the plants are used for bedding purposes, and as these are nearly all placed out of doors in the summer, not many insects would get into the houses to breed and cause trouble in the winter if the plants brought in from outside and the few which may have been kept in the houses during the summer were thoroughly cleaned in the fall. Cuttings for stock should only be made from uninfested plants, and cuttings or plants received from other dealers should be examined at once and rejected or at least thoroughly cleaned if found infested; this last point is an important one, as the insect has undoubtedly been introduced into new districts through the agency of auction houses, and has often become extremely abundant before being recognized as a new enemy.

These precautionary measures should be supplemented by frequent syringing with as severe a spray of water as the plants will stand if any insects make their appearance. Many plants like coleus, however, will not stand a syringing severe enough to wash off all the insects, and so resort to an insecticide is often found necessary.

Of the florists who use an insecticide against this insect, nearly all use fir-tree oil, and all who do speak very highly of its effectiveness. This substance has been tried at the insectary, and when used in the proportions recommended by its manufacturers for the mealy bug, it has been found to be very efficient in destroying the greenhouse orthezia. Its costliness is the greatest objection to its use.

Kerosene emulsion is another good insecticide, and one that is not as commonly used by florists as it deserves to be. Doubtless this is because it is a little

troublesome to prepare, but those who are willing to take this trouble are well repaid. The emulsion which was found to be the most efficient on the greenhouse orthezia in experiments conducted at the insectary was Cook's emulsion. This is made by adding one pint of kerosene to a boiling solution of one-quarter pound of hard soap in two quarts of water and churning the mixture thus formed until it is thoroughly emulsified, which takes about five minutes; for use, the emulsion is diluted with twice its bulk of water. It must not be expected that every insect will be destroyed by one application of either fir-tree oil or kerosene emulsion, and besides, the eggs in the ovi-sac are not always reached. Dipping the plants in the substance and holding them submerged for a few seconds appears to be a more successful method than spraying them.

The insects remaining on the plants left out of doors are killed by the first severe frost, so no danger need be apprehended from them.

Wages of Florists.

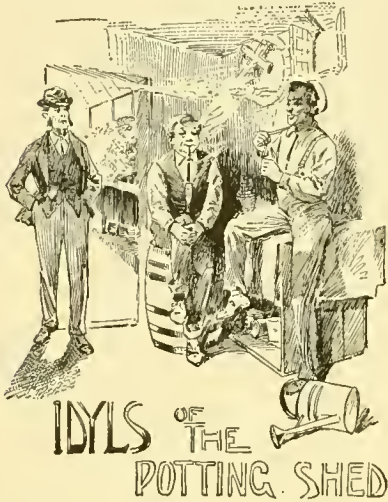
ED. AM. FLORIST: Can you find room in the FLORIST for a few remarks on this subject from an employee's standpoint?

The way things are going it will not pay a steady, thoughtful, hard working young man to devote his time and energies to the business. In many places the employee is expected to do the propagating, grow cut flowers, bedding plants, and possibly a stock of vegetable plants also, as well as giving a hand with design work, and tending the fires at night. To do all this well requires brains and study as well as muscle, but as compensation he usually receives about \$25 a month and board of very inferior character, with a cheerless kennel to sleep in, in a word about what is considered proper for a common laborer.

Can employers consistently demand skilled labor at the price paid for labor requiring no skill whatever? In any other

trade skill receives its proper reward, but it rarely does in ours. Laborers' wages are the rule with but few notable exceptions. Employers say first-class men are scarce, and that nearly all the applicants for a vacant position are poor sticks. What can they expect at the wages they offer? Any man possessing any real ability can nearly always get better pay in some other business, and while love of the profession holds a few the superior financial attractions of other trades continually draws the best young blood away from ours. Good men will always be scarce until merit is better appreciated by employers as a rule. It is true that some employers do make a proper distinction in favor of a well informed, painstaking man, but such are the exception, and not the rule. When such are the rule, instead of the exception, there will be a larger supply of better men, and not before.

NUNQUAM.



The Passing of Jaggs.

"Seen dot feller looking for vork today?" asked Otto from his accustomed corner. The three chums were not, however, enjoying repose this evening; some unfeeling citizen had departed this life in the midst of the busy planting season, and all hands were expected to help along the making up. Otto was chewing off stemming wire with a blunt rose shears, "His 'ighness" was attaching allyssum to toothpicks with an air of unusual dejection, and Davy was reflectively mossaing a huge "Gates Ajar." He looked up with some interest and said: "D'ye mean the mon speerin' for the master, ben the hoose? I'm thinkin' he might want a job, but he was no lookin' for wark."

"W'y, didn't you know 'im?" asked the Londoner, with a smile of pleased retrospect. "That was Jaggs—don't neither o' you know Jaggs? Where was you baptized? W'y Jaggs, 'e's wot you might call a botany prowler—'e aint 'appy and settled like if 'e aint traipsin' around the bloomin' country from Alfred to Omaha. You've 'eard, p'r'aps, of a 'Ebrew gent wot can't settle down long enough even to die—'e's been on the tramp about 2,000 years, they say, and blessed if I don't think Jaggs is some relation o' 'is. It's a matter o' twenty year since I fust sees Jaggs—I was a bit of a shaver, workin' down 'Ammersmith way, for six bob a week. Jaggs wasn't workin' there, but 'e'd drop in promiscuous like, just to pass the time o' day, and 'e seemed the pleasantest spoken chap I hever see. 'E'd drop in about dinner time, and horder a pot of 'arf-an'-'arf (w'ich 'e never pay for) and tell yarns about the time 'e was

foreman o' the dendrobes at Sander's ('e never was there) and then 'e'd borror a couple o' hob in a heasy casual way, before 'e went, so we'd feel 'e was givin' hus a reg'lar treat. It was Jagg's yarns wot fust started me across the water, instead o' stayin' to grow spring lettuce down by Deptford, along o' the 'alls o' my bancestors," and the speaker whistled a snatch of "The Old Kent Road," as if overcome by tender recollections.

"You Jaggs must be a lecin' chiel," observed the Scotchman, with some contempt.

"'E aint a George Washington," admitted the Londoner. "But you couldn't call 'is yarns lym'; 'e's a hartist, 'e is. Just you hask 'im if 'e know hanythink about 'Indostan—Lor', you should 'ear 'im tell about man heatin' tigers, cremated widders, nautch gals and helephants. You see, there was one o' they 'Indoo kings as 'ad a botanic garden, and 'e want a gardener as know horchids. Jaggs, 'e know horchids like they was 'is hown brothers and sisters, so some o' 'is friends 'elp 'im to get the job, thinkin', I suppose, if 'e once get to Hindia 'e'd stay there, becoss 'e'd never save money enough to get back. It was a good job, too; a good salary, and a bungalow to live in, with lots o' native servants and a 'ole Zoological Garden in 'is yard, helephants and camels, and what not. 'E was in luck. We never 'ear nothink of 'im for near two years, w'en one day me and the hother chaps was just eatin' a snack w'en in walks Jaggs, and 'e sez, as cool as if it was 'is reg'lar hour for droppin' in, 'You don't 'appen to 'ave a drop of 'arf-an'-'arf about,' 'e sez, 'sandwiches is dry eatin' alone,' he sez, 'elpin' 'isself to my last sandwich as if it belonged to 'im. Well, we was all knocked silly with the surprise, but by and by we hask 'im w'ere 'e come from, and 'e sez 'Hindia,' as cool as you please, and we hask 'im 'ow 'e got back, and 'e say 'walked, of course.' This was too much for one hargumentive little cove wot called hissself hagnostic, and didn't believe in nothink, and 'e sez 'e like to know 'ow hanyone could walk from Hindia. Jaggs 'e say in a fatherly way 'e halways like a young chap wot 'ad a thirst for hinformation, it was the right way to get hon in the world, and 'e begin to tell wot 'e see in Hindia, and 'ow 'e come to leave through 'is favorite helephant goin' hoff on a reg'lar drunk with 'im."

There was such an air of dissent visible at this statement that the narrator, rather huffed, continued:

"Well, that's wot 'e sez, and 'aven't you 'eard as helephants is just like humans, and 'as a weakness for drink too? Leastways that's wot Jaggs say; 'e sez 'e didn't 'ave no Christians to associate with, and they benighted Mo'amedans wouldn't so much as drink yer 'ealth in a bottle o' Bass, so w'en 'e find 'is helephant liked a sup once in a while 'e got a 'abit o' sittin' hout in the compound of a hevening, w'en 'e was takin' a little o' somethink to keep hoff cholery; the helephant would 'ave a drop, and 'e'd 'ave a drop, till they got reg'larly chummy. But it was that lowerin' 'isself to associate with dumb hanimals wot queered Jaggs, for one night 'im and the helephant was 'avin' a drop, and they must a 'ad too much, for Jaggs didn't know nothink till 'e find 'isself, and the helephant, and a lot o' natives, and a squad o' soldiers, hall mixed hup in the Rajah's flower beds. 'E didn't say much wot 'appened after that, but it seemed as if Hindia didn't suit 'im, and 'e said 'e wouldn't work there if they'd give 'im

the 'ole bloomin' country. Then 'e come to the States."

"Walked, I suppose," interpolated Davy. "I suppose 'is brother, which was a very respectable chap in the green grocery line, give 'im a steerageticket to get 'im away. Jaggs is a hartist, 'e is; 'e halways reckoned as 'is talents was throwed away around a greenhouse."

St. John, N. B.

Easter sales were the best for years; such is the unanimous verdict of the trade in this city. Easter trade is always good in this city, but this year the stock was larger than ever before, and the spring-like weather brought out the buyers to such purpose that by seven in the evening of Saturday there was no decent cut stock to be obtained. Plant sales were also extra good. A new feature was the opening of stores on King street by Goold, McIntosh and Cruikshank, who made beautiful displays. A surprise to many was the popularity of the carnation, the demand in many cases almost equalling that for roses. No doubt that "salted" stock in the rose line has something to do with this. Violets were scarce, and brought good prices. Bulb stock went slow, but it was all cleaned up at the last. Harrisiiis, heaths and azaleas were the leading plants, and hydrangeas sold well. Some fine specimen plants of Swainsona galegifolia alba shown by Goold sold well. Probably there will always be here a shortage of cut stuff at Easter as it certainly does not pay to run houses for that one day, and during the rest of the season the supply is fully equal to the demand.

There is some talk of a florists' association for New Brunswick; it is a good idea and should not be allowed to drop. It could be run in line with the Horticultural Association, and be of benefit to all concerned.

Superintendent Knott has made a model greenhouse at the park; it is a wonder of neatness, and the health of the stock shows his skillful care.

It was with great regret that the trade heard of the death of W. H. Jones, one of the oldest florists in the province, and one deservedly liked and respected by all who knew him. The business will be continued by Mrs. Jones, whose artistic wire work has made their business one of the foremost in Canada. S.

Patents Recently Granted.

Insect exterminator, Henry Wagner, Cullman, Ala.; Insect exterminator, Goodloe C. Twyman and Martin E. Thomas, Bowling Green, Ky.; Adjustable plant support, James E. Hutchison, San Francisco, Cal.; Lawn mower, Florence H. Zobe, Scranton, Pa.; Insect powder duster, Herbert C. Adams, Mexico, N. Y.; Lawn sprinkler, Charles Anderson, Detroit, Mich.; Lawn sprinkler, Alexander Burt, Dunedin, New Zealand; Propeller attachment for garden or like implements, Hampden Wilson, Crockett, Texas; Lawn mower, Robert D. Robbins, Port Perry, Canada; Weeding implement, Henderson W. Davis and Willoughby J. Seiple, Fostoria, Ohio; Combined gutter and cornice plate for horticultural buildings, Wm. A. Burnham, Irvington, N. Y.; Instrument for trimming trees, Chrollman S. Miller, Abingdon, Va.; Lawn sprinkler, Jerome B. Fellows, North Conway, N. H.; Lawn mower, Wm. T. Armstrong, Cleveland, Ohio; Machine for and polishing fruit, Jared H. Beamer, Brampton, Canada; Garden rake, Joseph North, Clayville, N. Y.

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Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

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NEW YORK, care American Florist.

SITUATION WANTED—As all-around florist, growing roses, carnations, chrysanthemums and general greenhouse plants; also palms, ferns, orchids; single, 19 years' experience. A B, care Am. Florist.

SITUATION WANTED—By practical florist, German, married; experienced propagator and grower of roses, carnations, palms and general stock; good designer, best reference. Address
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SITUATION WANTED—By grower of cut flowers and plants, in good retail place, by single man, 14 years in the trade, 3 years in last place; best references; able to take charge; state glass and wages. Address
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WANTED—A quick, reliable young man for the mail plant business in the west.
R R, care American Florist.

WANTED—A few hundred dormant roots of Cann Star of '91. Address
WESTERN, care American Florist.

WANTED—A few dozen canna Queen Charlotte. Address, stating size and condition, with lowest price per 100.
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WANTED—Thorough man as propagator; capable of taking charge; good on roses, "mums," first-class designer and decorator; salary moderate; good worker, reliable. EXPERIENCE, care Am. Florist.

WANTED—Assistant in greenhouse; must be sober and experienced in watering and potting young stock; state age, also what wages expected; references required. Address PRACTICAL, care Am. Florist.

WANTED—A German, single and good on designs and other floral work; only honest and sober worker wanted; wages \$25 to \$30, including lodging; give steady employment. Address
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FOR SALE—One 10 and one 30 horse-power locomotive boilers in good condition, steam or hot water; prices on application.
M. R. SAUNDERS, Aurora, Ill.

FOR SALE OR RENT—Chicago greenhouses; \$3,000—\$1,000 cash, balance on time; 15,000 square feet glass, stocked with roses, carnations, etc. For particulars address A. T. JACKSON, Station X, Chicago.

FOR SALE—Two-story house with store and greenhouse at rear, 70 feet long by 20 wide, 426 61st St., good location; also store on Wentworth Ave., doing good business, with a reasonable rent. Address or inquire 6217 Wentworth Ave., Englewood, Chicago.

FOR RENT—My greenhouse plant of between 8000 and 9000 feet of glass, located on Pearl St., Cleveland, O., with a good established cut flower and potted plant trade; doing store and other cut flower plants for sale, and also all utensils necessary to carry on the business. Location second to none in Cleveland, adjoining one of the finest cemeteries in the city; electric cars passing every few minutes. Will be rented and stock sold on very reasonable terms. Possession given on June 1, 1895. Reasons for renting, not being a practical florist and engaged in other business. For a practical man with moderate means there is no better chance in the U. S. Address
J. D. SELZER, 1756 Pearl St., Cleveland, O.

FOR SALE OR LEASE.
Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address
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For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 43 lots or 290 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 100 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind to Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

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Belmont and Western Aves., Chicago.

Hybrid Perpetual Roses,

Worked low on the Munetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

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\$35 per 100; \$250 per 1000.

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YOUNG ROSE PLANTS

We offer the following very choice Plants out of 2 1-2 in. Pots.

	PER 100.		PER 100.
AMERICAN BEAUTIES,	\$5.00	BRIDES,	\$3 00
METEORS, Best Red Rose,	3 00	MERMETS,	3 00
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KAISERIN A. VICTORIA,	6 00	LA FRANCE,	3 00

The above stock is very strong and healthy, and propagated from selected wood. We send out the same stock that we grow for ourselves, and it will give better satisfaction than stock which has been grown simply to sell.

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CRIMSON RAMBLER.

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Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots, \$15.00 per 100. Ready for immediate shipments.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Catalogues Received.

J. R. & A. Murdoch, Pittsburg, Pa., seeds and plants; Ellis & Pollworth, Milwaukee, Wis., florists' supplies and wire work; L. van Waveren & Co., Hillegom, Holland; Dutch bulbs; C. J. Speelman & Sons, Sassenheim, Holland, Dutch bulbs; E. H. Krelage & Son, Haarlem, Holland, bulbs and roots for spring planting.

A TASTEFUL retail catalogue is that of J. C. Rennison, Sioux City, Iowa. The cover is graceful in design, and the interior is well printed in a very harmonious tint. A catalogue of this class is sure to appeal to retail flower buyers. A list of plants in bloom, giving the seasons at which they are at their best, will prove a useful aid to purchasers.

MR. JOHN SPEELMAN of C. J. Speelman & Co., who has recently made a trip through the U. S., reports an excellent demand for hyacinths and expresses the belief that they will be scarce again next fall.

DO YOU WANT a list of firms in the trade that issue catalogues, with key showing proportion of space given each branch of the trade in same? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

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DO YOU WANT a list of trade organizations, both national and local, with names and addresses of principal officers, time and place of meetings and other information? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

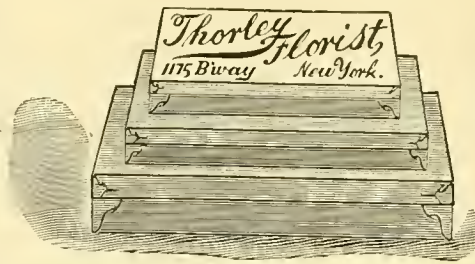
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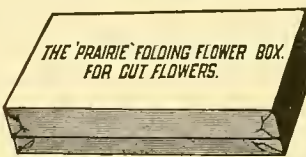
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 Consignments solicited. Prompt attention to all orders.

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Roses, Perle, Hoate, Cusin	1.00@3.00
" Mermet, Watteville, Brides	1.00@5.00
" Bridesmaid	1.00@5.00
" La France	1.00@5.00
" Testout	1.00@5.00
" Meteor	1.00@3.00
" Beauty	10.00@20.00
" seconds	2.00@5.00
" Hybrids	10.00@20.00
" Jacqs	4.00@8.00
" Moss per bunch	50@1.00
Carnations	.50@1.50
" fancy	1.50@3.00
Violets	.25@.40
Valley	2.00@3.00
Harrisil	3.00@4.00
Mignonette	1.00@4.00
Smilax	25.00
Adiantum	1.00
Lilac per bunch	50@1.00
Asparagus	0.00

BOSTON, Apr. 23.

Roses, Niphotos, Gontier	1.00@2.00
" Perle, Sunset	2.00@3.00
" Mermet, Brides	4.00@8.00
" Hybrids	10.00@20.00
" extra	25.00@50.00
Carnations	2.50@3.00
" fancy	3.00@5.00
Violets	.40@.70
Daffodils	3.00@4.00
Tulpe Poeticus	2.00@3.00
Longiflorum	6.00@8.00
Harrisil	6.00@8.00
Callia	6.00@8.00
Candium	3.00@4.00
Astilbe, Mignonette Stock	1.00@2.00
Marguerite, Myotis	.75@1.00
Pansies	.25@.50
Heath per bunch	50
English primroses, per dozen bunches	1.00
Adiantum	1.00
Smilax	25.00@30.00
Asparagus	50.00

PHILADELPHIA, Apr. 23.

Roses, small	3.00@4.00
" large tens	4.00@6.00
" extra select	8.00@10.00
" Beauties	10.00@25.00
" Brunners	25.00@40.00
Lang	25.00
Carnations	1.50@2.00
" extra	2.00@3.00
Asparagus	35.00@50.00
Violets, double	.35@.50
Valley	3.00
Daffodils	3.00
Harrisil	5.00@6.00
Cattleyas	25.00@35.00
Sweet peas	1.00@1.50
Mignonette	1.00@2.00
Smilax	15.00@18.00

CHICAGO, Apr. 23.

Roses, Beauties, selected	20.00@25.00
" seconds	4.00@15.00
" Hybrids	10.00@20.00
" Testout, Brides, Bridesmaid	3.00@4.00
" La France, Wootton, Mermet	3.00@4.00
" Perle, Niphotos, Gontier	2.00@3.00
" Jacqs, select	6.00@8.00
" Good ordinary, per 1000	10.00@15.00
Carnations, common	.75@1.00
" fancy	1.50@2.00
Valley	3.00@4.00
Paper White, Romans, Freesia	3.00@4.00
Tulps	2.00
Daffodils	2.00
Dutch hyacinths	3.00@4.00
Harrisil, Callas	6.00@8.00
Violets, double	.75
Sweet peas	1.00
Smilax	15.00@20.00
Adiantum	.50@1.00

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FLORISTS' VASES.

METS,
 BRIDES,
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THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
Meteor,
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 And all other desirable roses, grown especially for first-class trade.

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Careful Shipping to all parts of the country.
 Price list on application.

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THEO. ROEHRS,
WHOLESALE
FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

FRANK MILLANG,
WHOLESALE FLORIST
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 Cul Flower Exchange, NEW YORK.
 ESTABLISHED 1884.

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AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

MR. E. S. MILLER, with John Lewis Childs, of Floral Park, has been confined to his house for a week past with throat trouble.

THE long delayed retail seed trade in the eastern states has opened up at last and business is reported good from nearly all points.

AN unconfirmed rumor has been floating about in New York seed trade circles for the past two or three weeks that certain parties are contemplating the establishment of a new seed house in that city on a gigantic scale.

ENOS HARNDEN, seed buyer for the department of agriculture, will soon make a report regarding sales of seeds by members of Congress. It will involve well known men in a mess of petty crookedness. He has discovered that the seeds annually given members for free distribution among their constituents have been sold by many members. Harnden even bought some himself. For \$75 he bought of a member 14,950 packages of vegetable seeds, 1,365 packages of flower seeds and eighty-two packages of field seeds. These seeds actually cost the government \$228, so that the member displayed a remarkable ignorance of their value. Mr. Harnden, while he was in the detective business for the department, refused to buy more than 100,000 packages of seeds which had been paid for by the government and given to members free and were offered by them for sale. It is quite possible that when this report is presented it will put a stop to the free seed business altogether. The thing was started to enable farmers to secure new varieties of vegetables and grains, and thus enrich the agricultural products of the country. Last year \$160,000 was appropriated for the purchase of these seeds to be given to members of Congress in quotas of 15,000 packages each, and in turn to be distributed by them among their constituents. But the custom has been so abused that it will probably be stopped altogether. No good has ever come of it that anyone has seen.—*Chicago Times-Herald April 23.*

News Notes.

MORRISTOWN, N. J.—Thos. Mitchell, for 22 years engaged in the florist trade here, died on April 3.

COLUMBIA CITY, IND.—Mrs. S. A. Amerman has entered the business here, her establishment being devoted to a general retail trade.

FLATBUSH, N. Y.—G. Bergmann is very sick with diabetes and Bright's disease, and blood poisoning has set in. He is not expected to live.

MACOMB, ILL.—The firm of Danley Bros. has dissolved partnership, Mr. F. D. Danley retiring. The business will be continued, as heretofore, by Mr. S. T. Danley.

PORTLAND, ORE.—Easter trade showed an increase of about 30%, with retail prices fully equal to last year. Supply quite equal to demand; quality of stock was better than last year. Less call for plants.

RICHMOND, VA.—Easter trade was about one-third larger than last year, with the same retail prices ruling. Supply short; quality better. Larger sales of plants, with particularly strong demand for anything in color.

ELIZABETH, N. J.—Easter trade was about the same as last year and retail prices also ruled about the same. Supply equal to demand. Quality averaged up about as good as a year ago. A larger sale of plants.

BAR HARBOR, ME.—Alley & Fillettaz is the name of a new florist firm here; they have just opened for business corner Bridge and Cottage streets. Mr. Fillettaz was at one time foreman for Mr. Denys Ziragiebel of Needham, Mass.

PILOT POINT, TEXAS.—The Executive Committee of the Texas State Hort. Society met here recently and arranged the program and other details of the ninth annual meeting of the society, which will be held at Bowie July 31 and August 1 and 2 next.

NEWARK, N. J.—The Essex County Park Commissioners are vigorously agitating the park question, and the newspapers show much interest in the matter. The *New York World* recently published a portrait of Vice-President Fred W. Kelsey, who is a specially active member of the Park Commission.

NASHUA, N. H.—Easter trade was about 10% better than last year, with retail prices a little lower. Supply was equal to the demand, and the quality equally as good as last year. In plants more lilies were sold. The public in general seem to have caught on to the idea that Easter is not Easter without flowers.

MINNEAPOLIS, MINN.—Easter trade was about the same as last year, with prices about the same also, except on lilies, which were a little lower. Supply was equal to demand and quality as good as last year. There was no noticeable change in the demand for plants, except an increased call for lilies. Trade was satisfactory all around.

DETROIT, MICH.—D. C. Jones, a well-known florist of this city, died after a short illness April 13. The funeral, which took place on the 16th, was conducted by the Knight Templars; interment at Woodmere. Mr. Jones gave up his business some eighteen months ago, and has since been in the employ of the John Irvine Co. He leaves a widow and two children.

DETROIT, MICH.—Easter trade was about 25% larger than last year, with retail prices a notch higher for better quality. Supply was quite equal to the demand. An increase in the sales of plants, and also a marked increase in the call for azaleas and tulips in pans. J. Breitmeyer & Sons report that the fancy paper and ribbon trimming on plants was a profitable feature.

LOS ANGELES, CAL.—Easter trade was about 30% larger than last year. Retail prices of carnations were lower, but other flowers ruled about the same as last Easter. Supply was fully equal to demand. In quality everything was far better; carnations were in the lead. Easter coming so late this year gave us the best flowers of the year to work on. Flowers could be had by the tens of millions.

MILWAUKEE, WIS.—Easter trade was about 15% larger than last year, with retail prices about the same on cut flowers but lower on plants. Supply equal

to demand; quality better than last year. An increase of about 20% in the sales of plants. Spring flowers were more called for, and in plants smaller and cheaper ones were more in demand, with a special increase in the call for lilies and azaleas.

FORT WAYNE, IND.—Easter trade showed an increase of about 20% over last year with retail prices a little better in general, and the price on roses 20% higher. Supply was equal to demand with the exception of carnations, the supply of which was somewhat short. Quality better than last year. Sales of plants far ahead of last Easter. There was a marked increase in the call for lilies, and all blooming plants sold well.

LONDON, ONT.—Taking everything into consideration, Easter sales were about the same as last year, though the sales were made almost entirely on Saturday and Sunday; very few orders were placed ahead, and on Friday it looked as though there would be a decided decrease from last year, but at the last moment the buyers came out and sales averaged up about the same as a year ago. There was an increase of from 20 to 25% in the sales of plants. Supply was equal to demand.

COLUMBUS, O.—Easter trade was slightly better than last year, the prices being the same. The supply was equal to the demand except in carnations, and the quality was far better than last year. More plants were sold, and the demand is certainly increasing. Customers bought in small quantities, carnations were more popular than before. There was less demand than usual for lilies, and tulips and hyacinths were not as popular as they have been. Roses, carnations and violets were the favorites.

ROCHESTER, N. Y.—Silter Bros. report a decrease of 15% in the Easter trade, owing to high prices. In regard to supply they say, counting flowers bought outside, they were overstocked. They found plant sales much better than last year, with an increased call for lilies and azaleas. They find trade is running to plants, as the people here will not pay the high prices that have to be put on roses that are bought, particularly old roses. They say they shall run to plants next year more than ever and buy less flowers.

MONTREAL.—Easter trade was somewhat larger than last year. No change in retail prices. Supply of home grown flowers was short and a large quantity was imported. Home grown stock was superior in quality to that of last year, but a lot of the imported flowers were "salted." A slight increase in the sales of plants. In flowers roses and violets were more called for than carnations. Taken altogether Easter trade was generally satisfactory, both growers and retailers doing well. The only grumbling we have heard was by a couple of store keepers who received "salted" stock.

Red Tulip Buds.

Red tulip buds last night caressed
The sacred ivory of her breast.
She met me, eager to divine
What gold heart bud of hope was mine.
But, ah!—the tulip buds unwise,
Warmed with the sunshine of her eyes,
And by her soft breath glorified,
Went mad with love and opened wide,
She saw their hearts, all golden gay,
Laughed, frowned and flung the flowers away.
Poor flowers, in heaven as you were,
Why did you show your hearts to her?

—London Black and White.

What you do do,
Do it well!

SAY LITTLE; BUT SAY IT STRONG!

I stick to specialties and do them better
on that account. My Specialties are:

FLORISTS' FLOWER SEEDS.
(The best strains obtainable.)

IMPORTED GRASS SEEDS.
(At Import prices.)

FLOWER ROOTS AND BULBS.
(For Forcing and Retail.)

MUSHROOM SPAWN.

CLAY'S FERTILIZER.

I shall be pleased to figure on your wants
in these lines. Write me for prices on any-
thing you want.

Note my New Address:

G. C. WATSON,
43 North 10th St., PHILADELPHIA.

N. B.—I handle the Phila. Flower Ship-
ping Box and the "Workeasy" Strap and
Buckle. Both "Perfection."

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PLEASE
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AMERICAN
FLORIST.

FINEST OF BULBS

AT LOW RATES.

Wholesale prices on TULIPS, HYACINTHS,
NARCISSUS, CROCUS, etc., etc (1000
and 10000 rates only), now ready
on application.

HULSEBOSCH BROTHERS, Englewood, N. J.

WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas
a specialty. Highest quality.
Special prices.

WEEBER & DON,
Seed Merchants and Growers,

114 Chambers Street, NEW YORK.

ROSES. ROSES.

Superior forcing stock. Strong field-grown.
Budded low on Manetti. Extra heavy tops
and roots. Better than imported; can depend
on their reaching you in first-class condi-
tion. Our exhibit at Atlantic City received
Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt
the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be
offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES,
SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE
VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON GO.,

CATALOGUES AND
PRICE LIST FREE.

PAINESVILLE, Lake Co., OHIO

Mention American Florist.

ESTABLISHED 1830.

R. VAN DER SCHOOT & SON,

HILLEGOM, - HOLLAND,

Largest Growers of

HYACINTHS, TULIPS, NARCISSUS,
SPIRÆA, LILIES OF THE VALLEY, Etc.

HEADQUARTERS FOR HIGH GRADE FORCING BULBS.

Wholesale Importers should write us for Prices.

Our MR. JOHN SPEELMAN

is yet on his way back to New York and will sail for Holland May 15th next;
please send till that date, all correspondence to JOHN SPEELMAN, care of Knauth,
Nachod & Kuhne, bankers, South William St., New York City.

C. J. SPEELMAN & SONS,

Growers of 45 Acres of Bulbs,

SASSENHEIM, near Haarlem, HOLLAND.

P. VOS & CO., Sassenheim, Holland,

GROWERS OF

Hyacinths, Tulips, Crocuses, Narcissus, etc.

WE ARE ABLE TO QUOTE THE LOWEST PRICES FOR WHOLESALE DEALERS.

Address all Correspondence to Myers' Hotel, Hoboken, N. J.

CHOICE

FLOWER SEEDS FOR FLORISTS

Our Specialty.

Fresh seed just arrived. New crop Sweet
Peas just received.

Price List for florists free on application.

HERRMANN'S SEED STORE,

413 EAST 34TH STREET,

Near Long Island Ferry, NEW YORK.

Always mention the American Flo-
rist when writing to advertisers.



FROM JAPAN.—Bulbs, Seeds,
Trees, Palms, Etc.

FROM AUSTRALIA.—Arauca-
rias, Palm Seeds, Etc.

FROM CALIFORNIA.—Bulbs,
Seeds, Trees, Etc.

Orders booked up to Dec. 1 for Ceyes Revoluta Stems.
Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,
(Established 1878.) SAN FRANCISCO, CAL.
Oldest and most reliable import house.

LILIUM HARRISII.

Original and largest growers of this important bulb.

OUR SPECIALTY!

True Stock. Lowest Prices. Best Quality.

F. R. PIERSON CO.,
TARRYTOWN-ON-HUDSON, NEW YORK.

Washington.

During the height of the season society has seldom had an opportunity to enjoy a more elegant reception (as far as gorgeous decorations were concerned) than the one given by Senator and Mrs. Gorman during Lent to meet the Gridiron Club. The house was most attractively decorated with a profusion of choice flowers. In the front drawing room the bay window was banked with palms and ferns, with here and there specimens of marguerites in full flower. The curtain cornices were banked with cuneatum, interspersed with small wellcolored Pandanus Veitchii. The large mirror facing the entrance to the drawing room was framed with asparagus and Florida moss, thickly studded with plants of Odontoglossum crispum, each having a large spike or two of this beautiful flower. The mantel was banked with Farleyense, having a large bunch of Iris Susiana springing up out of the right hand corner. In front of the mirror suspended by Dresden ribbons was a large basket of Adiantum Farleyense containing a dozen or more fine spikes of Odontoglossum crispum. In the fireplace was a fine plant of Adiantum cuneatum, which completely filled the entire opening. To the left of this was a vase filled with scarlet amaryllis. Immediately in front of the fireplace was a bed of violet plants in full flower that had been lifted from the frames and transplanted to form a hearth, the idea being to have the guests pick the violets from the growing plants. This hearth of violets was edged with the golden selaginella. The chandelier was festooned with asparagus with here and there a spike of Odontoglossum crispum.

Suspended over the doorway between the first and second drawing rooms, by an immense bow of black and white ribbon, was the club emblem, a gridiron, the frame and handle of which was composed of violets, and the bars of scarlet carnations. Upon the gridiron was displayed a fish, composed of the petals of white and pink tulips, which formed the scales. Vases of Brunner roses were placed in every nook and corner. The second drawing room was decorated similar to the first, except that the flowers used around the mirror were cattleyas instead of odontoglossums. In this room was a profusion of Magna Chartas. In the dining room the windows were banked with palms and ferns. The cabinet mantel was banked with Adiantum Farleyense and festooned with asparagus studded with spikes of Dendrobium nobile and cattleyas. In the center of the table was a large plat of Adiantum Farleyense studded with Dendrobium fimbriatum, with sprays of Odontoglossum crispum forming a border; the cloth was sprayed with Farleyense. This artistic decoration was executed by Mr. J. L. Loose.

REYNOLDS.

Do YOU WANT the census statistics regarding the florist, nursery and seed trades? You will find them in our trade directory and reference book for 1894. Price \$2.00.



Gardiner's Celebrated English Mushroom Spawn.
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co., Philadelphia, Pa.

REMOVAL NOTICE.

Our large and constantly increasing business made it imperative to secure more spacious and commodious quarters. On and after May 1 we shall occupy the entire space on the floor of the present Cut Flower Exchange, No. 59 Wabash Avenue, second floor. We shall be better able than ever before to handle the large stocks of our numerous growers as well as give improved facilities to the buyer.

T. J. CORBREY,

Wholesale and Commission Florist,

Phone Main 4508.

64 & 66 Wabash Ave., CHICAGO.

Carnations
Edward Wayne
Kennett J. Gu

NEW.

OPELIA.—A fine large flower a little darker than Scott. Took Craig cup for best seedling of any color at Philadelphia. Flowers brought \$3.00 per hundred wholesale all last Winter excepting at Christmas, when they reached \$5.00. Rooted cuttings \$10.00 per 100; \$9.00 per 1000.

STANDARD.

Sweetbrier	100.	1000
Helen Keller	\$5.00	\$40.00
Uncle John	"	"
Stuart	"	"
Buttercup	4.00	35.00
Scott	3.00	25.00
Daybreak	2.50	20.00
Cartledge	2.00	15.00
Portia	1.50	12.50
McGowan	"	"
Fisher (from soil for Summer)	"	"

LADY CAMPBELL VIOLET, rooted runners, \$2.00 per 100; \$15.00 per 1000.

FIRST-CLASS BULBS!

SUCH AS

ROMAN HYACINTHS—White, rose, blue, etc.
NARCISSUS—Grandiflora totus albus, paper white, Double Yellow **DAFFODIL** (Von Ston) real Trumpet Major.
LILIIUM CANDIDUM, ALLIUM NEAPOLITANUM, FREESIA REFRACTA ALBA, and a lot of other sorts for forcing.

Specialty of Natural and Colored **IMMORTELLES**.
THE GOODS, PROPERLY PACKED, ARE FORWARDED ON TIME.
Write and give your order early to

JOS. DEFILIPPI,
OLLIIOULES, (Var), FRANCE.

Cable address, JOSFILIPPI, OLLIIOULES.
English correspondence.
Always mention American Florist.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF
FLORISTS'
Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

A. & F. RÖLKER,
AUCTIONEERS OF
Plants, Bulbs, Orchids, Etc.
106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.
Mention American Florist.

NEW CARNATIONS.

BRIDESMAID, bright clear pink. per 100 per 1000 \$10.00 \$75.00
METEOR, deep brilliant crim. scarlet 10.00 75.00
STORM KING, snow white 10.00 75.00
Ready April 1st, 1895.

UNCLE JOHN, pure white 5.00 40.00
THE STUART, scarlet 5.00 40.00
E. A. WOOD, variegated 5.00 40.00
GOLDFINCH, yellow-edged pink 5.00 40.00
WM. SCOTT, pink 3.00 25.00
DIAZ ALBERTINI, pink 3.00 25.00
DAYBREAK, pink 3.00 25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

Certificate and special mention awarded to all.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdock, light pink (an excellent variety); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$6.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON,
La Fayette, Ind.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now: per 100 per 1000

5,000 BUTTERCUP \$3.50 \$30.00
10,000 LIZZIE MCGOWAN 1.50 12.00
10,000 TIOAL WAVE 1.50 12.00
15,000 DAYBREAK 2.00 15.00
15,000 PORTIA, 15,000 SILVER SPRAY 1.25 10.00
15,000 AURORA 1.50 12.00
50,000 well rooted runners of LADY CAMP.

BELL Violets 1.25 10.00
JOSEPH RENARD, Unionville, Chester Co., Pa.

CARNATIONS

McGowan in quantity. A few thousand each of Keller, Stuart and Dorner—others all sold.

PANSIES, in bud and bloom, at \$1.75 per 100, or \$15.00 per 1000.

ALBERT M. HERR, L. B 496, LANCASTER, PA.

ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England, & Bruges, Belgium.

A. DIMMOCK, Agent, care Bolker's Auction Rooms, 106 and 108 Liberty Street, New York City.
Send for illustrated catalogue.

COLEUS.

In assorted lots only.

A FINE COLLECTION; 40 KINDS, AT \$6.50 PER 1000.

W. R. SHELMIER,
AVONDALE, PA.

PANSIES.

Fine stocky plants, excellent strain, \$2 00 per hundred.

CUS. NOACK, Batavia, N. Y.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

CHITTY'S NEW PRIZE CARNATIONS For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

CARNATIONS

Healthy well rooted cuttings of

	Per 100	Per 1000
Lizzie McGowan, Silver Spray, Puritan,	\$1.50	\$10.00
Grace Wilder.....	2.00	15.00
Daybreak	1.50	10.00
Portia, American Flag.....	2.00	15.00
Tidal Wave and Orange Blossom.....	1.50	10.00
DOUBLE PETUNIAS —Finest white and fringed varieties, \$1.50 per 100.		
CHRYSANTHEMUMS —Finest white, pink and yellow varieties, \$2.00 per 100.		
COLEUS —Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.		
Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order.		

JAMES HORAN & SON,
BRIDGEPORT, CONN.

THE COTTAGE GARDENS,
Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

20,000 WM. SCOTT

Rooted Cuttings ready for immediate delivery

\$3.00 per 100; \$25.00 per 1000.

Cash with all orders.

DAILLEDOUZE BROS., Flatbush, N. Y.

LIZZIE MCGOWAN,
\$1.50 per 100; \$12.50 per 1000.

WM. SCOTT,
\$3.00 per 100; \$25.00 per 1000.

Guaranteed stock, well-rooted, free from disease, strong and stocky. Most popular Carnations on the market.

ALEX. McBRIDE, Alplaus, N. Y.

Send for a Copy
OF OUR

TRADE DIRECTORY

AND REFERENCE BOOK.
PRICE \$2.00.

AMERICAN FLORIST CO.,
P. O. Drawer 164. CHICAGO, ILL.

GARNATIONS—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Lizzie Gilbert.....	\$10.00	\$75.00	Bouton d Or.....	\$8.00	\$50.10
Helen Keller.....	5.00	40.00	Goldfinch.....	5.00	40.00
Sweetbrier.....	5.00	40.00	Jacquemot.....	5.00	40.00
Jago.....	5.00	40.00	The Stuart.....	5.00	40.00
Ada Byron.....	5.00	40.00	Annie Pixley.....	5.00	40.00
Uncle John.....	5.00	40.00	Buttercup.....	4.00	35.00
Wm. Scott.....	3.00	25.00	Mad. D. Albertini.....	3.00	25.00
Lulu.....	3.00	25.00	Heeter.....	3.00	25.00
Daybreak.....	3.00	25.00	Nicholson.....	3.00	25.00
Mrs. Reynolds.....	3.00	25.00	Grace Battles.....	2.50	20.00
Lizzie McGowan.....	2.50	20.00	Portia.....	2.00	15.00
Silver Spray.....	2.40	15.00	White Dove.....	2.00	15.10

Our stock is in excellent condition. Inspection invited.

MONEY ORDER OFFICE,
STATION "H, Philadelphia.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

CARNATIONS

SEEDLINGS FOR 1895.

KOHINOOR Large full white on strong erect stems. The best white I have ever grown.

PURPLE KING Clear bright purple, productive and very showy.

My stock of standard and new varieties has never been better than at present. I grow nothing but Carnations and *exclusively* for cuttings and plants.

Inspection and correspondence solicited.

Descriptive price list on application.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

CARNATIONS, ROOTED CUTTINGS

Wm. Scott, Daybreak, from sand, \$15 per 1000; transplanted and in vigorous growth, \$25.00 per 1000.

Emily Pierson, Tidal Wave, Lizzie McGowan, from sand, \$12 per 1000; transplanted, \$20 per 1000.

Cash with order. No order for less than 500 plants desired.

CHRISTIAN SOLTAU,

199 Grant Ave., JERSEY CITY, N. J.

NEW AND TESTED CARNATIONS OUR SPECIALTY.

Send for price list.

FISHER & AIRD,

ELLIS, NORFOLK Co., MASS.

THE NEW WHITE CARNATION MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

	Per 100	Per 1000
We offer them, 2 1/2-inch pots.....	\$6.00	\$50.00
Lizzie McGowan, rooted cuttings.....	10.00	
ROSES—Bridesmaids, 2 1/2 inch pots.....	3.00	25.00
Brides, 2 1/2-inch pots.....	3.10	25.00

Orders booked for delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

NEW CARNATION. PEACHBLOW.

Dark blush pink. Rooted Cuttings, \$8.00 per 100; \$65.00 per 1000. Good stock. Sample blooms sent free.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

CARNATIONS.

	2-inch Sand	Pots
Helen Keller, Ada Byron.....	\$4.50	\$6.00
Adelalde Kresken, Jacquemot.....	4.50	6.00
McGowan, Portia, Wilder.....	1.50	2.50

Very strong cuttings—no rust.
LADY THOMPSON STRAWBERRY PLANTS, and others at low rates.

EDGEWOOD GREENHOUSES,
GLENSIDE, PENNA.

Mention the American Florist when writing to advertisers on this page.

Garnation Plants.

IT IS GETTING LATE,

and why buy rooted cuttings when you can get strong plants from soil. They will all grow, and make better and stronger stock.

We can give you the much sought for WM. SCOTT, free, clear pink, for \$3.00 per 100; DAY-BREAK, TIDAL WAVE, SILVER SPRAY, LIZZIE MCGOWAN, PORTIA, etc., at \$3 per 100; GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100.

Discount of 10 per cent on orders for 500 or more of a kind. All orders must be accompanied by cash.

We can furnish the following new varieties of '95, mostly transplanted: Per 100 Per 1000

KOHINOOR, new white, large, free . . .	\$12.00	\$100.00
ROSE QUEEN, new, fine pink variety	12.00	100.00
CORSAIR, the scarlet McGowan . . .	10.00	75.00
ALASKA, large, white, free, new . . .	10.00	75.00
LIZZIE GILBERT, brilliant scarlet. . .	10.00	75.00
STORM KING, large, pure white . . .	10.00	75.00
METEOR, large, bright crimson . . .	10.00	75.00
BRIDESMAID, clear rich pink.	10.00	75.00

GEO. HANCOCK & SON,
Grand Haven, Mich.

Surplus Stock

CARNATIONS For Sale.

THE STUART.....	900 @ 4c.
SPARTAN.....	150 @ 4c.
WM. SCOTT.....	900 @ 4c.
HELEN KELLER.....	500 @ 5c.
PORTIA.....	500 @ 4c.
GRACE WILDER.....	400 @ 4c.
UNCLE JOHN.....	1000 @ 5c.

J. A. MERRIFIELD, Assignee,
3425 Prairie Ave., CHICAGO.

SPECIALTIES

ALL IN THE BEST VARIETIES.

ROSES, CARNATIONS, CHRYSANTHEMUMS, VERBENAS.

Rooted Cuttings and Plants. Send for price list.
WOOD BROTHERS, FISHKILL, N. Y.

Chrysanthemums AND Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

Carnation Wm. Scott,

Rooted Cuttings, \$20.00 per 1000.

500 at thousand rate.

HARMON, BURR & CO., Darien, N. Y.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

The "Podunk Parable."

ED. AM. FLORIST:—The Podunk Parable in a recent issue was quite apropos just at this time, I wish every florist in the land might read it. It is true that people flock to the bazaars influenced by advertisements with big headlines and deceived by the low prices quoted. Bargains in roses, bargains in carnations, etc., etc., as a rule old flowers and diseased plants, are found here, that if sought for at the florist's might undoubtedly be bought as cheap, or perhaps less. At first glance they appear cheap, and so they are—cheap in price and in quality, but really dear at any price. The lesson of the parable is a good one. Every flower given away to one not interested in flowers introduces a new customer to the florist. Especially is this true in our large cities. A neighbor of mine was walking with me a few days ago among my plants and I gave him a flower. He was not a lover of flowers, but he took the flower home and placed it in a glass of water; it talked to him for a number of days, and he came over to-day to look and talk of flowers; he is almost converted. Trust the flowers to perform their silent but effective office work, and the good work will move forward. The more flowers there are introduced into households where heretofore they have been looked upon with little or no interest the more converts you make. It was in this way that the great passion for flowers became so general, and it is still on the increase.

One word and I am done. Unite your forces; organize; believe in each other. If a brother violates a certain business rule or obligation go to him as a friend; labor with him as you would an erring son or brother. If he is persistent in evil doing then let all unite and swamp him, but above all things let charity prevail and be as one family if possible. The FLORIST contains much that is valuable and every florist (I do not care how small) needs the influence of so good a medium. I shall look for another chapter of the "Podunk Parable" from brother A. B.

Worcester, Mass.

Since Easter business has remained very steady, and we have nothing to complain of; prices have dropped back from the slight increase, and the flower supply has recovered from the exhausting demands. Everything is plentiful and good. Jacks are coming in with a rush, and other roses are cropping heavily. Russian violets are in the market in large quantities, and are discounting the double varieties. Lange is bringing in some extra fine Day-breaks and Scotts, and a few splendid Albertini. A recent amateur comic opera given by a popular militia company used up the surplus stock of roses last week and netted the florists a tidy little sum, and a few weddings, the advance guard of the June brigade, have arrived and received a warm welcome. A. H. L.



TRY DREER'S GARDEN SEEDS,
Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.



One of a Thousand

This flower looks attractive—multiply it by 1000 and you will have a good idea of a bush of

ANDORRA'S LATEST INTRODUCTION

Hypericum Moserianum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. **Fine, Strong Plants, \$7.50 per Hundred.**

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Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents, from 2½-in. pots and flats. \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georgeanna, with the finest scarlets, purples, striped and intermediate shades. Double Petunias (Draer's), 2-in., \$2.50; 3-in., \$4; 4-in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 6 for 50 cents. Variegated Vincas (Perrywinkle) from flats, \$2; 2½-in., \$3; 3-in., very fine \$5 per hundred. Bezons Vertica, semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2½ in., \$2.50; 3-in., \$3.50 per hundred. New yellow daisy, Anthemis Tinctoria (single), 2½ in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats, \$2.50; 2½ in., \$3.50 per hundred. No-stirrup selected strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2½ and 3-in., \$4 per hundred. Calendula P. of Orange, Scabiosa Snowball, sweet Alyssum, tall, double and dwarf single, Algonette, Torenia fourieri, Tradescantia parlour Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4-in. size, \$3; 6-in., \$5 per hundred. Dormant roots; Eulalia plant sticks, the neatest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding cannas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. Address cash with order please.

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MEDAL WINNING VARIETIES, controlled by us and offered now for the first time.

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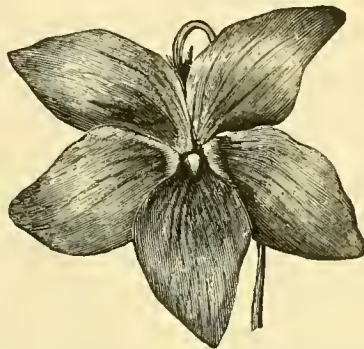
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FLORAL WONDER OF THE CENTURY.

Blooms cover a silver dollar; stems 12 to 14 inches long; color deep violet-purple (does not fade); fragrance intense; several hundred flowers from a single plant; blooms during seven months in the year. Price, \$10 per 100; \$70 per 1000. 500 at 1000 rate.

Prices on application for large quantities.

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100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

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Rooted Cuttings or 2-inch pot plants.

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FOR SALE.

	Per '00
BRIDESMAIDS and MERMETS, 2½-inch	\$3.00
VERBENAS, 2-in. stocky plants from frame	2.00
CARNATIONS, Daybreak and Tenderesse, 2½-inch stocky plants from frames	4.00
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EXTRA FINE STRAIN.

75-cents per hundred; \$5.00 per thousand.

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Anthemis coronaria	\$3.00
Alternanthera, 4 in. lotes, 2-in.	2.00
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Wistaria Chinese, 1 year, strong	2.00
Paris Daisy, yellow	2.50
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When writing to any of the advertisers on this page please mention the American Florist.

Cleveland, O.

Easter is over and the florist leans back to draw a long breath of relief and inspect the figures in his little bank book. On the whole I think that the majority finds it a not unpleasant duty this time, for most of them speak very well of the Easter of 1895. Some of their customers do not. One usually docile patron called up a florist some time in the late hours of Sunday afternoon, and after a little improvised song and war dance elaborately explained that it was not for Easter Sunday, '96, that he wanted his floral treasures, but "this year—1895—to-day!! D'y'e hear? To-day!!" This is probably not an isolated case, and very likely every florist could narrate a somewhat similar experience if he would. Take it all in all, however, I think the florists found few such thorns among their roses. Pretty much everything sold, and some things were in rather short supply; but this was counterbalanced by such quantity and variety in other lines that everybody could get something that was satisfactory. The weather, too, was all right—a trifle chilly perhaps, but clear and no wind to knock lilies and other easily marred flowers into discolored tatters and rags. "Heaven send us such another every year"—twice a year, if it be possible!

The philanthropists all died early Easter week—at least they disappeared or were metamorphosed into plain business men hustling for the agile and evasive dollar. In other words roses sell to-day at fifty cents a dozen and upward, according to the taste and fancy of the dealer. The gay groceryman and the festive department store still dally with the beautiful flowers, but with what financial result is not known. It was rumored that one firm would drop the flower department, though practical evidence to that effect is still lacking. In addition to these a large clothing house took a dip last week. The week previous they had advertised and sold two car loads of oranges. Easter week they had a circus "ad" in all the papers announcing a "palm and cactus sale"—two carloads of them. The goods were "personally selected" by one of the proprietors while traveling in California, planted in coffee cans, soap boxes, or whatever came handy, and sold at "one-third of florists' prices." Speaking of *Cycas revoluta*, one of the gifted salesmen informed an innocent looking party that "the florists sold the leaves of the identical palm for nine dollars a pair!" Why do so many florists look so innocent? These green looking floriculturists ought to be arrested for inciting others to crime. Probably that honest God-fearing seller of hand-me-downs would never have strayed into the paths of mendacity had that "flowerist" looked less innocent. In the meantime the astute buyer of those palms is probably wondering why the leaves of the same are turning a bright, beautiful yellow. If he looks at the place where the roots ought to be he will very likely know what is wrong. A.

ROSES Strong, healthy plants from 2 2/4 and 3 inch pots, \$3.00 to \$8.00 per 100. Am. Beauty, Bride, Mermel, Niphotos, Perle, Sunset, Wootton, Meteor, Albany, La France, Testout, Victoria, M. Niel, Bridesmaid, Watteville, The Queen, Mme. P. Guillot, S. d'Ami, &c.

VERBENAS Good assortment clean, healthy plants from 2 inch pots, \$2.50 per 100, \$20.00 per 1000.

VIOLETS Marie Louise and Swanley White, strong plants from 2 inch pots, \$2.50 per 100, \$20.00 per 1000; no disease.

CARNATIONS Leading kinds from 2-inch pots, \$2.50 to \$5 per 100.

PELARGONIUMS Victor, Fred Dorner, plants from 2 and 3-inch pots, 75c. and \$1 per doz. TERMS CASH.

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We have still on hand a limited stock of extra fine and large Rubbers, in 6-inch pots, at \$9 00 per dozen. Also a fine grade of Palms, Ferns and Orchids at lowest prices.

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Now that the season for planting out is approaching, Florists should not fail to secure a good stock of this beautiful new bedding plant, as it stands our summers to perfection, propagates quickly, and is as easily grown as a Coleus. Strong plants, in 3-inch pots, \$15.00 per hundred.

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Iris Kæmpferi, in 100 choice varieties.
Japanese Maples, in best varieties.
Camellias, Pæonies, Tree Ferns, Raphis, Etc.
Araucaria excelsa, choice cultivated stock at lowest prices.

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CUTTINGS by Mail prepaid. POT PLANTS by Express not prepaid.

Alternanthera p. major and aurea nana;
Ageratum White Cap and dwarf blue,
cuttings, 50c; 2-in. pots \$1.50 per 100.

Chrysanthemum cuttings, \$1.00 per 100.

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Fuchsias, good mixed, " \$1.00 per 100.

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BEGONIA OBIBA, from 2 1/2-in. pots, \$9 per 100.
GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$1.25 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist,
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Ivy, Souv. de Chas. Turner, P. Crozy, etc., mixed, 2 1/2-inch pots.....	4.00
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Hibiscus, mixed rubra, grandiflorus, etc., 4-inch pots.....	8.00
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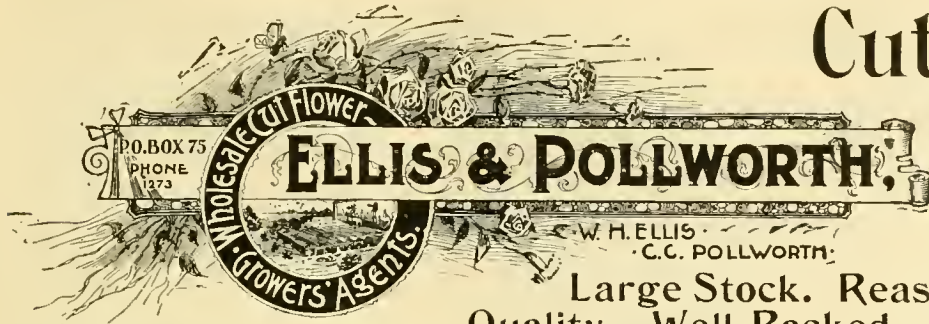
Hybrid Perpetual Rose. Large fine plants.
Our choice; selected from Emily Peel, Antoinette Monton, Diesbach, Darwin, Coq des Alps, Coq des Blanches, Comtesse de Sereuse, Planter, Giant of Battles, Hopper, Magna Charta, La Reine Mue, Masson, Trotter and other choice varieties. 2-inch pots, \$3.00 per 100; 2 1/2-inch pots, \$5.00 per 100.
\$3.00 and \$5.00 Palm Collections still offered.

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Roses Bride, Mermel..... 1.10 per 100
Carnations—Spray, Wilder, Portia..... 1.10 " "
Lizzie McGowan, \$1.25, and Edna Craig 2.00 " "
By mail add 10c. per 100. Cash with order.

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 - GOLDEN PALACE.—A perfect golden ball.
 - MARSHAL OYAMA.—A glistening white, incurved.
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 - PEARL PALACE.—A perfect spherical flower of pearly white.
 - YELLOW SUPERIOR, a mammoth incurved yellow.
- Price 50c. each, \$5 per dozen, \$35 per 100.
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We take back seat for none, and claim to be the leaders in the Coleus trade, and the originators of the Golden Queen Coleus, the only good all around yellow Coleus grown. Over a hundred thousand now ready.
Per 100 Per 1000

Golden Queen and C. Verschaffellii, rooted cuttings	\$.75	\$6.00
Coleus in variety	.60	5.00
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Snow Flake Stock, 2 1/2 in. pots, at	2.50	

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WHITE, PINK, AND CREAM.
Good, strong plants in 3-inch pots, that will bloom this summer, \$5 00 per 100.
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Six best Bedding Varieties. Per 100
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Carefully packed, without charge for packing.
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Extra strong plants from cold frame, all in bloom. For size of bloom and color, also its distinct markings cannot be excelled.
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Direct Import, fresh quality, just arrived.

	Per 100	Per 1000
<i>Areca lutescens</i>	\$1.00	\$7.00
<i>rubra</i>	1.00	7.00
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Fine seeds, started to germination, per lb. \$0.65,
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Samples and Yick's branching Asters, Snowcrest Scabiosa, Marguerite Carnation, 70c per 100. Heliotrope, Gaillardia, Templetonia, plants \$2.00 per 100. 1/4 quantities same rates by express, not prepaid.
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Fine stock.

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Verbena, Carnations, Marguerite, Fuchsia, Heliotrope, Mums, Alyssum, Ageratum, Geranium, 15c. per dozen; \$1.00 per 100. Double Petunia, Dablia.

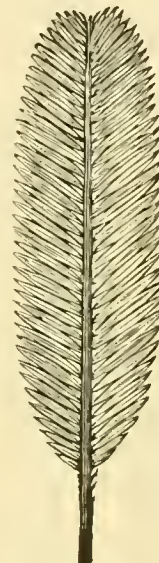
PLANTS.—Chinese Pink, Perennial Poppy, Nasturtium, Aster, Mums, etc.
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Rooted Runners \$5 00 per 1000
Fine healthy stock; no disease of any kind. Cash with order.

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40c, 45c, 50c, 60c,
75c and \$1 each

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August Rolker & Sons,
Florists' Seeds, Bulbs & Supplies
136 & 138 W. 24th St.,
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ROOTED CUTTINGS. Good Ones.

Verbenas, 23 varieties..... 80c. per 100; \$7.00 per 1000
Heliotropes, Fuchsias and Mums..... per doz. 20c
New Giant Alyssum and Lopezia..... " 20c
Cuphea Llave and Cigar Plant..... " 20c
Salvias and Marguerite..... " 20c
Mexican Primroses and Ageratum..... " 20c
Coleus..... per 100 75c " 12c
Postage 1c. doz. Cash with order. Send for catalogue.

I. L. Pillsbury, Galesburg, Ill

NEW CHRYSANTHEMUMS.

Fewkes, Challenge, Dalledouze, Inter Ocean, Mrs. Ila. Mrs. Hill, Mrs. Lippincott, Dean, Mutual Friend, Bonnafton, Yellow Queen, Davis, Pitcher & Manda, Gray, Beau Ideal, Bramball, and Others. Sold in sets of 12 plants each under the head of "Specialties" and "Novelties." Older varieties "Selects of 1893," 16 plants and the "Old Guard Set" of prize winners 18 plants each. Price, \$1.00 for each set plants by mail, postage paid by me. Send for catalogue.

MEREDITH B. LITTLE, GLENS FALLS, N. Y.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

Ottawa, Ont.

Easter is past and all are satisfied with the trade. In cut flowers there was an increase in sales of 25%. In plants a couple of the boys report a decrease, but as there is an extra store in town trade in that line can be classed the same as last year. Scrim had an extra store for plants only, and with a lot of rhododendrons, azaleas, etc., made an attractive exhibit; trade was very good in plants up to a dollar or so, but rhododendrons were too rich for the people of Ottawa. Lilies did not sell as well as usual. Our transfer company advertised the Bermuda cut stuff for a couple of weeks and I am informed they took orders for six boxes; they made enough to pay postage on their correspondence.

Parliament assembled on Thursday, but it will not help us much, as it will soon be too warm for festivities and good flowers will be scarce; however, small favors thankfully received. The drawing room on Saturday caused a stir. There was a fair amount of flowers sold to the better class of buyers, but the amount did not come up to last year, owing probably to members of the Bardwell Slate type leaving their wives at home to run the farm. I would like to see my old boss, W. J. Palmer of Buffalo, wait upon a few of this class of customers. There would be razors in the air. They take half an hour to select six carnations and often bring them back to change the color.

Snow has disappeared except in shady corners; we have got rid of our nine months winter and look forward to three months of cold weather. I think some Yank said that is the kind of a climate we have.

ZERO.

Cut Flower BOXES

Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

Plant Stakes.

1/4, 5-16, 3/8, 1/2, 5/8, 3/4, and 7/8-inch square cut to lengths wanted.

When asking prices state sizes of boxes or stakes and quantity wanted.

Lockland Lumber Co.,
LOCKLAND, OHIO.



Iron Reservoir
VASES,
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—AND—
CHAIRS
Are Manufactured by

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The largest manufacturers of these goods in the world. We issue a large 40-page illustrated catalogue, which will be sent free on application.

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RED SPIDER CAN'T LIVE

Where this Nozzle is Used.

CHILD'S RAIN MAKER.



Throws a powerful spray at such an angle that spraying the underside of the foliage is no effort at all. It is simplicity itself but "gets there" every time. It is well made of polished brass and will last a life time.

See what two well known florists who have tried it say about it:

RICHMOND, IND., April 10, 1895.

MR. P. M. CHILD,

Dear Sir:—The nozzles to hand sometime ago; we are so much pleased with the way they work that we are glad to write you saying that they are more than satisfactory. They are just what is wanted for greenhouse work, as they enable us to reach the underside of the foliage with perfect ease, and with the full force of the water.

Sorry we did not have them sooner.

Yours truly, E. G. HILL & CO.

PRICE \$1.00 Each, prepaid. Try one. You will find it the most useful and valuable appliance you have ever had.

P. M. CHILD & CO., 6122 Oglesby Ave., CHICAGO.

ELMIRA, N. Y., April 3, 1895.

P. M. CHILD, 6122 Oglesby Ave., Chicago.

Dear Sir:—Child's "Rain-Maker" nozzle is the most efficient sprinkler I have ever seen put on the end of a hose. It is eminently practical and does the business.

For greenhouse watering, it is a very neat device, and especially adapted to palm and rose culture, for spraying, etc. Properly used it would give that insect pest "red spider" no show at all to work mischief, either inside or for outdoor use.

The nozzle can be used at any angle, and every particle of foliage is thereby get-at-able.

I heartily commend it, and predict a great sale.

GROVE P. RAWSON.

Neponset Flower Pots

Waterproof Paper, are sold as follows:

Terms—Net cash with order. If ordered shipped by freight, add 50 cents cartage.

Size	Crates of 1,000	Gross Weight per 1000 pots	Per 100	Per 1000
2 1/4 inch	1,000	about 20 lbs.	\$0 25	\$2 00
2 1/2 "	1,000	" 23 "	" 30	" 2 50
3 "	1,000	" 34 "	" 35	" 2 80
3 1/4 "	1,000	" 45 "	" 50	" 4 00
4 "	500	" 75 "	" 10	" 5 00
5 "	500	" 110 "	" 10	" 8 30
6 "	500	" 150 "	" 1 50	" 13 35

Standard Pot Measure. Less quantities than full crates at 100 rates.

F. W. BIRD & SONS, Manufacturers.

Address orders to our Agents.

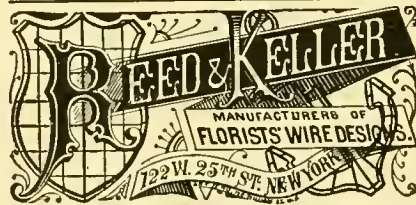
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136 W. 24th St., NEW YORK.

H. BAYERSDORFER & CO.,
WHOLESALE
FLORISTS' SUPPLIES ONLY,
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Florists' Supplies,
23 & 25 N. 4th St., PHILADELPHIA, PA.

Send for Catalogue.



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Address all correspondence to 1 Music Hall Place.
Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1 1/2-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter.

With orders for 500 letters we give away a nicely stained and varnished box. See out in next week a American Florist.

Our letter is handled by all the wholesalers in Boston.

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Engraver for Florists,
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FLOWER POTS AND PEDESTALS.



All sizes, colors and prices. A new importation just opened. Illustrated catalogue free.

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FOSTITE, A PERFECT REMEDY for Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out. Foatite, 25 lbs. \$2.00. Bellows, \$3.50. Cash with order. Sold by all dealers and by

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Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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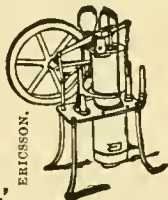
Conservatory, Lawn, House, Garden, Stock or any other purpose.

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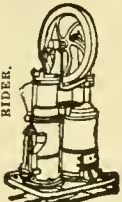
OF THE **PUMPING ENGINE.**

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HOT-AIR PUMPING ENGINE.



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For sale by all Seedsmen. No florist can do without it. Cheap, practicable and indestructible. 35 cts. each, or \$3.50 per dozen.

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What Growers Say!
A Different Letter Every Week

CUMBERLAND, MD., March 25, 1895.
LOCKLAND LUMBER CO., Lockland, Ohio.

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Yours truly, JOHN A. BOPP.

Green-House Material.

The finest **CLEAR CYPRESS** used.

For circulars and estimates ADDRESS

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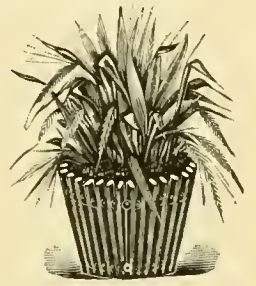


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NEW IMPROVED ORCHID CRIBS.

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Write for Illustrated Catalogues.



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LITTLE'S ANTIPEST.

Valuable Discovery of the 19th Century.

SILVER MEDAL AWARDED

— BY THE — CALIFORNIA STATE FAIR OF 1890.

This preparation is a sure destroyer of the **Scale, Woolly Aphis and Insect Pests** of any and all descriptions. It may be as freely used in the conservatory, garden and greenhouse as in the orchard or vineyard. It is non-poisonous and harmless to vegetation when diluted and used according to directions. It mixes instantly with cold water in any proportion. It is **Safe, Sure and Cheap.** No fruit grower or florist should be without it.

Send for Circulars and Price List.

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MILDEW is cured radically by applying "VIRGIN SULPHUR" with bellows on sunny mornings. Prominent Rose growers use it. When added to manure the latter will be freed from insect life and gain in efficiency.

A 50 kilo bag (112 lbs.) sold for \$5 cash; 100 kilo bag \$8; 25 lbs. for \$1.50; 10 lbs. 75 cts.

AUGUST RÖLKER & SONS, New York, P. O. Station E.

"ROSE LEAF" EXTRACT OF TOBACCO, **INSECTICIDE,**

Death to Aphis, Red Spider, &c.

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Mention American Florist



Kills Mildew and Fungus Growth.

What does? **GRAPE DUST.** Sold by Seedsmen.

Mention American Florist.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.



The Boy's Story.

No, he's not in; and say, you fellers better keep out of here to-day, this ain't no continuous performance house. You can't do no business here before next week, 'n' you can't collect no bills. I'm givin' it to yer straight; he's uglier 'n sin; been 'n orful row here an' he'll have 'nother pain if he finds any of you fellers hangin' 'round 'n' then mebbe I'll lose my job same's Joe did. Yes, Joe's gone; y'ought ter been here, Hully gee, what a racket! You see it was this way. You know big Jim that brings the callas; well you know all the fellers plays tricks on him an' he don't like it for a cent an' he gets mad sometimes 'n' he tries to get even with them, so one day he brings a loaded cigar an' gives it to Joe cos Joe he druv some big nails in the bottom of Jim's box when Jim wasn't lookin' and when he tried to lift the box he thought there was somethin' heavy in it 'n' he pulled hard 'n' it come all to pieces an' left the bottom all nailed to the floor an' so he thought he'd pay Joe up an' so the cigar went off an' burnt all round one side of his mouth so's he couldn't whistle nor nothin' an' so he was layin' for Jim, so's to get square, and he histed a tin pan full of water up over the cellar stairs an' a string so's he could pull it when Jim was goin' down cellar to-day so's to soak him an' he wouldn't know who did it, but he didn't see him when he went down 'n' so he didn't do it an' when the boss come in, you know that big cove that gets the violets to wear every morning, the feller that his head goes bobbin' all the time when he walks, just like one of them cats what they sell at Christmas with the loose heads, 'n' well, that feller he came in to see about a big decoration, like's not he's goin' to get married 'n' the boss took him down stairs to let him look at them big wire things to put flowers in on the wall an' it was kinder dark 'n' I guess the man couldn't see or somethin' so he puts his hand out an' gets hold of Joe's string someway an' pulls the pan down 'n' the boss gets it right in the neck an' we fellers knowed what it was; gee, wasn't he snortin'; I guess he'd liked to lick the man only he was a customer an' he couldn't 'n' he bounced Joe right a way 'n' then he went out to buy a dry collar—look out! here he comes; bet yer life he'll knock the stuffin' out'er me if he gets on to me tellin you 'bout it; skip!



SCOLLAY'S IMPROVED

PUTTY BULB,

For Glazing Sash, Etc.
— ALSO THE —

Patent Plant Sprinker

For sale by your Seedman, or sent, postpaid, for \$1.00.

JOHN A. SCOLLAY,

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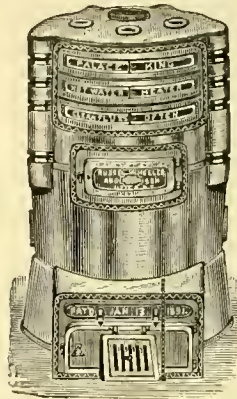
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are the most Economical in the World. Many thousands in use. Send for price and reference.
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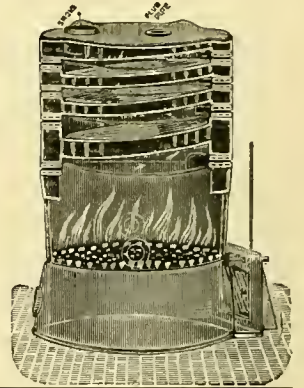
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ESPECIALLY DESIGNED FOR GREENHOUSE HEATING.



WRITE US.

**Russel Wheeler and Son,
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THE ORIGINATORS OF THE STANDARD FLOWER POTS.

Our capacity now is **12,000,000**

STANDARD FLOWER POTS PER YEAR.

A Full line of Bulb Pans.

The Whilldin Pottery Company,

713 to 719 Wharton Street, PHILADELPHIA, PA.

Send for Price List.

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STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfe Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO., 403 North Salina Street. SYRACUSE, N. Y.

OFFICE:

**STANDARD FLOWER POTS.
FERN PANS AND PALM POTS.**

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

PITTSBURGH CLAY MFG. CO., New Brighton, Pa.



Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere.

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132 & 134 South Fifth Ave., NEW YORK.
NATURAL GAS MADE GLASS,
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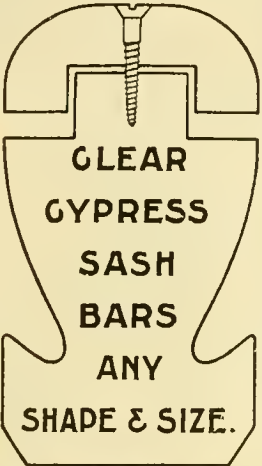
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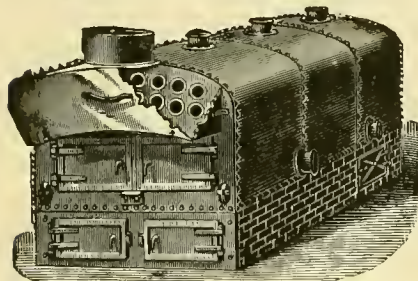


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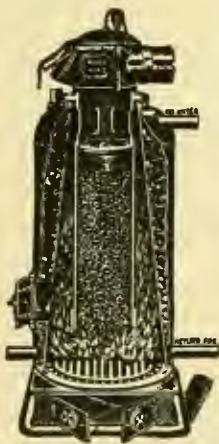
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SASH
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ANY
SHAPE & SIZE.

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MANUFACTURERS
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IMPROVED
Greenhouse Boiler,
41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.



WILKS HOT WATER HEATER.
BEST IN USE
FOR GREENHOUSES, LARGE and SMALL.
All Steel. No Coils or Cast Iron Sections.
SEND FOR CATALOGUES.
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THE
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PATENT BINDER
Price postpaid
75 CENTS.
Address
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CHICAGO.

Showing the
appearance of
the Binder when
quite full of

THE
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Every subscriber
should have one.

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Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

Pipe can be easily put together by any one, very little instruction being needed.

GET THE BEST.

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.
Mention American Florist.

L. WOLFF MFG. CO., 93 to 117 W. Lake Street, CHICAGO.
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FOR GREENHOUSES.

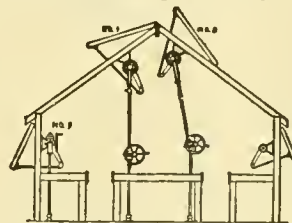
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The florist's friend in working and prices.



No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform on 100 foot houses. A new device.

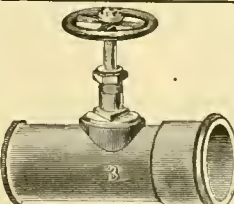
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INCORPORATED.
Horticultural Architects and Hot Water Engineers
Send for Catalogue, enclosing 4 cents in stamps.
139, 141, 143 Center St., NEW YORK.

California Red Cedar
NEVER DECAYS.
A. DIETSCH & CO., 619 Sheffield Avenue,
Mfr's of Red Cedar and Cypress Greenhouse Material, **CHICAGO.**

VALVES, FITTINGS AND VENTILATING APPARATUS.
COLDWELL-WILCOX CO.,
Newburgh, N. Y.



MAIL LOCK THE DOOR BEFORE THE HORSE IS STOLEN DO IT NOW.
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Write for Illustrated Catalogue.
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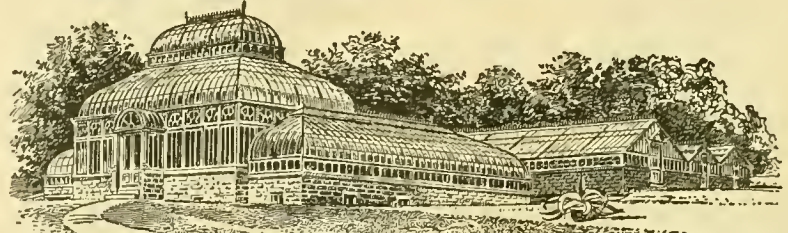
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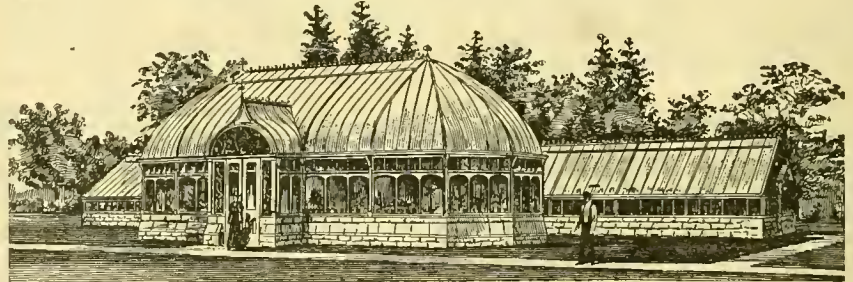
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Vol. X.

CHICAGO AND NEW YORK, MAY 4, 1895.

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WE HAVE received from Secretary Albert M. Herr, Lancaster, Pa., a copy of the proceedings of the fourth annual meeting of the American Carnation Society, held at Boston in February last. It contains the essays read at the meeting, together with discussions upon same and record of the routine business. A very important part is the report of the nomenclature committee, in which is given an alphabetically arranged list of varieties with descriptions, the latest novelties being indicated by an asterisk. It is well printed on good paper and is a very creditable little volume of great value for reference.



Carnation Notes.

Several of the new sorts have reached us in diseased condition. Men lead us to understand that their whole establishment is free from rust, in fact they would guarantee their stock, and then when we open the box and examine the under side of the leaves we find rust, rust, enough of it to make us feel like throwing box and all in the fire, and the plants paid for at that. This is really too bad; we lose faith in each other. Better have said, "Yes, we have rust, but have taken every care to exterminate it, so if you buy you take the risk." To the one who does not have a cutting trade it is not of so much matter, but to him who does it simply means that he must isolate the new stock and watch very closely, and as many have only a limited space on which to plant this means to such a one the ruin commercially of his whole stock unless he takes heroic measures to keep the pest from spreading. The most successful way to rid your place of the rust is to watch your young plants; never plant a cutting that shows the slightest particle of disease, then possibly you will come out all right next season. I adopted this plan last spring and the results have been very satisfactory, as we have found but very few plants affected during the winter. I started last fall to spray with the different fungicide solutions, bought a new pump and sprayer for the purpose; now we use the pump for manure water and the sprayer is on the shelf. When, during December, the reports from a number came in that in spite of Bordeaux, carbonate of copper, copperdine and a host of other supposed remedies the rust continued, I, as I stated at the time, set the solutions one side and from that day to this (April 29) no new cases have developed, even around where the few plants that had the rust had been removed, and I have come to the conclusion that if the young plants which develop the rust are thrown out and the older plants kept in a strong healthy growth the rust will not increase to any great extent.

Carnations love a moist atmosphere, and therefore I keep the foliage moist at all times except in cold cloudy weather, and even then the leaves must not get dry, for then the little breathing pores are choked and the plant receives a check, injuring its health and making it more liable to disease. If you will examine the healthy leaves closely you will find what is termed a bloom on the surface of the

leaves; do you find this on sickly plants? The variety most subject to rust with me is Uncle John, and on the leaves of this sort you will see but little of that bloom. Science has told us how the disease gets into a plant, but so far I do not think it has given us a remedy, and not until a very much more thorough test or experiment is made in the propagation of the disease and the different conditions under which the disease thrives, as has been done with contagious diseases of the human body, will any practical results follow; so until this is brought about I shall follow the plan I followed last year, that is to throw out all young stock which is diseased.

Helen Keller came to me last spring with some rust on it, but after throwing out a number I got a clean lot, and I have not a particle on this variety now, nor has it shown at all during the winter. The same will follow with four of the new sorts of '95. It hardly comes within my province to name the new sorts affected with rust, but I must say that for the benefit of the trade at large and with no interest to harm the disseminators I think the names should be given, for to state that some are affected without stating which throws a cloud over all, and this I am loth to do, for we must have new varieties and we cannot afford to discontinue the trials, for then we would be back numbers. I would again advise a very close inspection of all young stock before planting out. This plan may save the destruction of many plants in the fall and the inoculation of your whole stock.

CHARLES H. ALLEN.

Notes on Novelties.

Anyone with a big lot of Crimson Rambler this season or next season is bound to make money on it. It has been well advertised and is sure to go, for it undoubtedly has merit. If in addition to its other good points it should also prove to be hardy then it is a treasure indeed. We have in Empress of China another good everblooming climbing rose. This is proved hardy and is altogether a desirable thing. Small plants of it were sold last season with restrictions forbidding its propagation for one year. Those who tried it were well impressed with it; it made a magnificent growth and flowered freely. Still another noteworthy new comer is Caroline Marniesse, a pure white dwarf growing hardy bedder which promises to become a companion for Clothilde Soupert, which is now established as the most useful rose in the hardy bedding class.

All have had an opportunity to form an estimate of the merits of Belle Siebrecht as a forcing rose, but in the opinion of Mr. Robert Craig, who is a good authority on such matters, this variety will prove to be a good bedder. It has lived outside through the past winter without

protection, and Mr. Craig intends to grow it in quantity for bedding purposes. Kaiserin Augusta Victoria did finely out of doors last summer. It makes a clean and vigorous growth, blooms freely and is worthy of a place beside Gontier as a fine bedding rose.

Acalypha Miltoniana is a new and most promising plant for subtropical work. The foliage is of a good dark green with a distinct edging of white. Triumphant is another new *acalypha* in the way of the well known *musaica*, but brighter colored.

After trying all the bedding geraniums new and old the gardeners around Philadelphia have settled on *La Pilot*, which Edwin Lonsdale introduced into that neighborhood twelve years ago as the best all around scarlet bedder. *Mme. Thibaut* remains unquestionably the best pink for this locality and *White Swan* leads in the whites.

In the set of new *coleus* sent out by Sander are found three very promising novelties, *Princess May*, *Mrs. Sander* and *Empress of India*, but their usefulness in outdoor bedding has not yet been tested.

Reminders.

As soon as azaleas are past blooming they should be pruned into shape, and all the long shoots shortened to a level with the main head of the crown. Azaleas start into growth usually while flowering, and therefore the operation should not be delayed too long if we expect them to bloom well the next season. Old, very large plants, if out of shape, will bear a severe pruning into the old wood, with the hedge shears if necessary, and will present a more compact and pleasing outline by another season, not occupying so much room as formerly, and producing the same amount of flowers.

Genistas or *cytisis* also should be pruned severely now, and if very compact plants are wanted with an even surface, pinching must not be neglected during all summer and fall up to October. However, for large plants I would advise only this severe spring pruning instead of constant pinching; the natural grown plants seem to have the preference in the eye of customers in this neighborhood at least. Don't mix any phosphate or bone with the soil for repotting these things; they will not do well with it. *Chorizemas*, which we found to take well as an Easter plant, should be treated the same way, but they require less pinching than *genistas* and want to be left alone after August 1. In the rush of the planting out season we are apt to neglect our indoor plants, thinking that later on will be time enough to attend to their wants, but even if we can't find time to repot them now the pruning at least should be attended to.

The little violets want to be planted out now, and I would like everybody to make a trial and pot up some of them into 3 or 3½-inch pots instead of planting out in the open ground. We have had them for the past two seasons, and consider it a great improvement over the old plan. They remain in the same pots until late fall, and do not occupy much space during summer when plunged in a bed or frame close together, where they can have a watering in dry weather. These potted plants will bloom right off when taken in and planted on benches, also do they keep on flowering much longer than field grown plants.

If not done already, sow some seed of *Grevillea robusta*, the silk oak; it takes them some time to germinate. They are

so very useful as small plants next fall and winter for center plants in fern dishes and jardinières, while a few large specimens will come very handy for decorations mixed in here and there among palms.

Rochester, N. Y. J. B. KELLER.

Hydrangea Otaksa.

The plant represented in our illustration is one of several noble specimens which every year adorn the grounds of Hon. J. S. Fay, at Woods Holl, Mass. When photographed it was fifteen feet in diameter and seven and one-half feet high and bore two hundred and twenty-six trusses of bloom. Mr. M. H. Walsh, the gardener, gives his method of culture as follows: "I let the plants remain outside until about December 15th. They are then pruned back, leaving about two buds above last year's growth, and placed in a cellar where they are kept until about May 1. Freezing in the early winter seems to ripen and harden the wood, and I find that they will stand 15° of frost without injury. They seem to grow best when fully exposed to the sun, the flowers being larger, the foliage brighter and the wood better matured than when grown in partial shade. A light soil composed of equal parts of loam, leaf mould and sand seems best suited to their requirements. To this is added ground bone and unleached wood ashes in the proportion of one quart of bone and three quarts of ashes to one wheelbarrow full of soil. *Hydrangeas* are gross feeders and require an abundance of water. When the flower buds appear liquid manure should be applied and repeated once a week, during the season."

Easter and the Grower.

Looking over the various Easter reports one would naturally conclude that the grower was a thick-headed sort of mortal, without any business knowledge whatever. This is hardly fair to the growers, many of whom are intelligent beings, as well as those who handle their products.

A good grower (and his number is increasing every year) will not even think of putting an inferior flower on the market, unless it is put there as second quality stock, and as for salting them down so that by Easter they are in the first or second stages of decay it is a form of suicide he does not care to follow. There are of course some who store up their stock as in days of yore, but their number is decreasing every year; there is little use for us growers to go to such a man and argue, but if the commission house would put all such stock aside until the first quality stock is disposed of, and then sell it at its actual worth, or return it marked unfit for use, and the retailer would refuse to touch it until nothing else was in the market, Mr. Grower would soon come to his senses.

The retailers are not altogether blameless for this state of affairs, for they sometimes use flowers that are decidedly the worse for age and wear, and use them at good stiff prices too. If a grower happens in about this time, he could scarcely help but think that it was not so absolutely necessary for a flower to be of first quality to bring a good price, and getting this impression he will salt down a lot of stuff for Easter, knowing that it will be as good as some he saw used. This is of course a wrong view to take. If the retailer has sinned it is no reason why the grower should sin also. The better

plan is for neither to sin, and put fresh flowers *only* on the market.

In sending a bunch or box of carnations to a lady, if I were to use some that had been cut a week or ten days it would seem to me like offering an insult to her good taste and judgment. This may be drawing the line a little too close, but if this principle were followed by the grower, the commission house and the retailer, the cut flower trade would certainly be benefited. We growers not being infallible there will always be some second and third quality stock to dispose of, but it should be sold for what it is, and at corresponding prices. The same thing should be done with flowers that have become shopworn in the stores; this would enable many persons of moderate means to gratify their love for flowers, and be a straight deal all around.

ALBERT M. HERR.

Hints for Decoration Day.

Decoration Day will soon be here and most retail florists, particularly in small towns, find it a remunerative season. It is time to begin calling attention to specialties for this date, and the standing advertisement in the local papers should have reference to it. In most places the demand for this date is essentially in the line of cheap materials, and fancy prices cannot be obtained. This demand should be catered to and preparations made accordingly.

Although there may be plenty of outdoor shrubs in bloom greenhouse flowers are rarely over-plentiful at this time. Carnations are dwindling away, even if they have not been torn out, and the same is true of roses, nor do the latter always give satisfaction. Though, fortunately for us, designs do not seem as much called for as formerly, something in this line will sell, and here galax leaves exactly meet the requirements. Wreaths and crosses of galax, either with or without draping of flowers, will surely sell, and their lasting character makes them specially valuable for cemetery use. They can be prepared beforehand, thus saving work during the rush. Let people see them; they look well in a show window and give an idea to would-be purchasers.

Like Easter, Decoration Day is largely a plant festival, and almost everything in the line of ordinary bedding plants will sell. The demand is largely for cheap flowering plants—geraniums, lobelias, *calceolarias*, etc., as many of the G. A. R. posts buy these in quantity, but many better plants go to private buyers. We have found *hydrangeas*, *Deutzia gracilis*, *Astilbe japonica* and *polyantha* or hybrid China roses in bloom to go very well. Another thing, which takes well in the retail trade, is a small splint basket (such as is used for packing fruit), containing six to a dozen assorted plants, the whole being sold for a fixed price. The plants are turned out of their pots and packed snugly into the basket; it makes a neat and convenient package, and often strikes the fancy of people who come with the intention of only buying a single plant. There should always be a vine or trailing plant in these baskets, *nierembergia*, *thunbergia*, *vinca*, *lophospermum* or *manettia*. These little baskets are so cheap and convenient that it is a wonder they are not more used by the retail florists.

PROVIDENCE, R. I.—The semi-centennial of the Rhode Island Horticultural Society will be celebrated on September 6, 1895, with an exhibition and banquet.



HYDRANGEA OTAKSA ON THE GROUNDS OF HON. J. S. FAY, WOODS HOLL, MASS.

Fern Notes.

The spring and early summer is quite a busy time to the fern grower, just as it is to his brother in the profession who confines his efforts to flowering plants and general spring stock. And although the various operations connected with the cultivation of ferns are all interesting, yet it may be said that there is a certain monotony and comparatively little excitement in such work as pricking out seedling ferns, a job that requires much patience and careful labor. But it pays to give the best attention possible to this work, from the fact that the seedlings are generally so much crowded in the seed pan that a large percentage of them would be choked out were it not for the method of pricking them out in small clusters into other pans as soon as they can be handled. If the spores have been sown in January, or before that time, the seedlings will now be in good condition for transplanting, the majority of species that are in general trade use being those that germinate quickly and grow rapidly. The pans or boxes to which the seedlings are to be transferred should have some coarse material placed in the bottom to assist the drainage, and should then be filled up with fine soil of rather light character, and pressed down quite firmly.

After transplanting the seedlings should be placed in a shaded house and thoroughly watered with a very fine rose, in order to settle the new soil, and it is also best to keep the house in which they are placed rather close for a few days until the seedlings have time to recover from the change. In a few weeks these seedlings will have made two or three tiny leaflets and also some roots, and will then

be ready for potting off, either singly or in clusters, according to the use to which they are to be put. If one has stock enough to permit such practice the plan of potting off the seedlings in clusters of four or five is a very satisfactory one, especially for home consumption, for these little bunches of small plants are admirably adapted for filling small ferneries and will become ready for use in much less time than single specimens.

The soil for potting the seedlings should be much the same as that used in the seed pans, and these tiny plants being quite easily injured by exposure it is unwise to have a large number of them divided up and spread out on the potting bench at one time, and it is also well to take the precaution of watering each load of the young plants as they are set away in the greenhouse. Shading is also needed for the young plants after potting, and of course proper precautions will be taken in respect to watering and ventilation, for a severe check at this stage of the proceedings will go a long way toward spoiling the crop. After the young plants are established in the pots much more air should be given, and if indoor space is limited they can then be moved out into cold frames, the sashes of the latter being shaded and raised up above the plants high enough to give a good circulation of air. The plants thus grown are stocky and sturdy if properly handled, but it must be remembered that they should be brought into safer quarters before the nights become too cold in the fall.

There seems to have been comparatively little change in the relative popularity of various species and varieties of ferns in the past few years, except that the demand is first for dwarf, compact growing

sorts, though they must also be graceful ones, for the majority of fern pans are required to be filled quite low as to stature, and it is even whispered by the retail men that the same condition applies to the price. But be this as it may, the demand is chiefly for such tried favorites as *Adiantum cuneatum*, *Davallia stricta*, *Pteris serrulata* in its numerous forms, *Pteris cretica* and its various progeny, among which *P. cretica albo-lineata* and *P. cretica magnifica* are two of the hardiest and most satisfactory. *Onychium japonicum* and some of the nephrodiiums are also prominent, among the latter *N. aristatum* var. and *N. Sieboldii* being notably good, while *Polystichum capense* and some of the nephrolepis are also included in the useful list.

Pteris Victoria is a very pretty fern, but unfortunately does not develop its full beauty until it produces fertile fronds, these having much brighter variegation than the sterile fronds, and by the time its best condition is reached the plant is too tall for a small fernery. *Pteris Smithiana* is a handsomely crested form of *P. tremula*, but in common with all of that type is rather brittle, and consequently has to be handled carefully. *Adiantum Farleyense* is becoming more appreciated as a florists' fern each year, and in most of our large cities a better market is found for this "queen of ferns" each year. From the multitude of *Adiantums* a few others may be selected where greater variety is demanded, among the best and most useful being *A. pubescens*, *A. gracillimum*, *A. auietense* and *A. tenerum* Ballii, the latter being a particularly good form of *A. tenerum*, not only admirable as a pot plant but also excellent for cutting.

W. H. TAPLIN.

Nephrolepis Davaloides Furcans.

This handsome robust growing fern should be grown more extensively by everybody as a decorative house plant. Not the way we so often see it in collections of ferns, where they are set close together and never get a chance to develop their long arching fronds, and are half starved in small pots, looking yellowish, the ends of the fronds dried off or imperfect, or the young growth in the center decaying before it had a chance to develop. When the plant has not had enough light and free circulation of air, or is stuck in between other plants where the moisture never gets a chance to dry off from one syringing to another such treatment causes the decay of the young leaves. It certainly will pay to allow these plants room, for you can demand a price for a well grown plant at least equal to the value of a palm three times its age. It is one of the few ferns that will endure the dry atmosphere in a dwelling without injury, if only enough water is supplied at the roots, and usually people will prefer the more graceful fern to a palm or a ficus if price should be about the same. It is a native of the Malay Islands, the fronds are two to three feet long, gracefully arching, the pinnae are about six inches long or over, slightly serrated at the edges and divided, crested or forked at the points. The color of the pinnae is a dark green, and has a peculiar lustre, not very often found in ferns.

While this fern may be grown, like the rest of the family, from spores, you will get stronger plants in a shorter space of time from the runners, which are produced by nearly all the nephrolepis from the crowns, or by the division of the old plants. If the stock plants are planted out in a warm corner of a fern or palm house, young plants will be produced freely. The old ones will spread rapidly and may be divided into small pieces and potted in suitable material. Perfect and plenty of drainage is essential, as they want a generous supply of water but do not like to have it stagnate about the roots. Like all ferns they should be shaded from the direct rays of the sun, and they grow better in a moist atmosphere, but should at the same time have a free circulation of air. When large enough to go into 5 or 6-inch pots, the plants must be allowed plenty of room, and this is done most economically by setting them up on the regular plant stands made of iron pipe and circular flanges and placed between other plants, so as to have the ferns entirely over and above the lower plants. In this way they occupy very little room and get the full benefit of light and air all around, interfering but very little with the plants beneath them. Here the ferns will spread out their graceful fronds, which may expand regularly all around and will produce a perfect symmetrical plant, which they could not possibly do if set on a bench unless a great deal of room was allowed.

As the plants grow on repottings should not be neglected until fall, when they will all be in 6, 7 or 8-inch pots, perfect specimens if they had the right care. It is true in this manner we cannot grow such plants by the thousand, but I should feel sorry if we could do that, for in a short time the market would be full of them, and prices would naturally drop down considerably. The way it is we are obliged to grow only in limited quantity, according to the room we have to spare for them, and the plant is not likely to ever become an every-day occurrence in the markets. *N. rufescens tripinnatifida*,

an allied species, with the pinnae cut up or divided into serrated segments again, which are elongated and closely overlap each other, is a newer form, and deserves a place alongside the above, requiring the same treatment. The growth and general appearance of this plant is rather more erect, but still the fronds are slightly curving, and when it becomes more known will surely become a favorite.

Rochester, N. Y.

J. B. KELLER.

Notes by the Way.

There are sights that are truly inspiring, and I know of no other source of inspiration, of no instance indeed, to compare with the sight of hundreds of little ones, marching in groups towards some public park or public square to participate in the ceremonies of planting a few trees on Arbor Day. I had the good fortune to behold such a sight in a thriving Illinois town, and the impression it has made upon me is not likely to be erased from my memory. It is certainly a beautiful custom, teaching as it does "Young America" the wholesome lesson of adding to nature's beauty and to nature's gifts. It is the knowledge of planting a tree rather than that of felling it, which, if implanted in the minds of our little ones, will insure the stability and the future welfare and strength of our country.

I look forward to the time, and such a time will surely come, when our public schools will designate to a certain day in the spring to be known as the "Flower festival," when our public parks, public squares and private yards will present their most pleasing aspect and fill the minds of the young with an appreciation of nature's charms.

I must refrain, however, from taking too bright a view of the present state of business. "Business is quiet" is the general reply to the question "how goes it?" Except now and then a funeral design, nothing of any consequence has transpired during the past week, in and of the towns I have traversed, to unload the surplus stock of flowers. Roses are plentiful at present and the quality is as good as might be expected. Mr. R. Sanders of Aurora, Ill., showed me, among other varieties, a crop of very fine Mermets, and Messrs. Brown & Canfield, of Springfield, take much pride in their American Beauties, which between their local trade and the St. Louis market, find quite a ready sale.

This temporary stagnation in the cut flower market does not seem, however, to discourage the florists. All look forward to a return of brighter days and it is the general opinion that the trade this spring will by far surpass that of a year ago. S.

New York.

The customary large decorations which are looked for in the period directly following Easter are missing this season and the effect is severely felt in all branches of the trade. Transactions are small, whether on Broadway or in the most plebeian quarters of the East Side, and it takes a good many of them to amount to anything. Under such conditions no customer is beneath notice, and a good opportunity is given to those who must sell flowers to live, to cultivate an amiable temper. The wholesalers are glad to sell to the dealers in half dozen lots, no one being too small to receive attention. When it comes to hundreds and thousands the Greeks have things all their own way, for "alas and alack" no one else has any outlet for such quantities.

Everything in the cut flower line is over-abundant, excepting possibly white lilac, which has been in special demand for several weddings, which as usual came altogether at the same date. Violets are as much out of date as a last year's chrysanthemum; they do not pay freight charges from greenhouse to market in most instances, all of which is a "very unfortunate state of affairs" as they say in Philadelphia.

The usual exodus of the fortunate ones to Europe has begun already, A. Hermann and family being the first to go. They left on the Normannia on April 25. It is about accepted that the backbone of the flower trade has been broken for the season, fully a month earlier than usual, and plans for the summer are being perfected. Charlie Carlin, Thorley's buyer, who hears everything and sees everything is thinking of writing a book of reminiscences.

Julius Roehrs had a wagon load of araucarias stolen from him on the night of April 24. Mr. Roehrs has been seriously ill, but is improving now and is believed to be out of danger.

The schedules of Jacob C. Bebus show liabilities of \$2,872, nominal assets of \$7,447 and actual assets less than \$600. The difference between nominal and actual assets is said to be due to uncollectable accounts amounting to \$6,768.

An order for 1,000 Belle Siebrechts to go to Hungary has just been filed by Siebrecht & Wadley.

Herman Rolker has moved his business to 484 2nd street, Brooklyn.

Chicago.

At the quarterly meeting of the Horticultural Society of Chicago held last Saturday afternoon a great deal of routine business was transacted. Further details in connection with the annual exhibition are now in the hands of the executive committee. Amendments to the constitution were proposed which provide for special meetings when deemed necessary by the president or any three members and for increasing the number of directors from seven to ten. These will be acted upon at the next meeting. Secretary Egan introduced the following resolution which was unanimously adopted:

WHEREAS, the Commissioners of the West Side Parks have established at Union Park a botanical garden of hardy herbaceous ornamental flowering plants, systematically arranged, combining in groups representative of the flora of the different countries of the world, and especially that of the United States, and have in contemplation the formation of an arboretum in one of the larger parks, in which will be placed specimen plants of each tree, shrub and vine that will prove hardy in and adapted to this climate, each plainly labeled with the scientific and common names, whereby those of our citizens interested in such matters or contemplating the improvement of their grounds, can observe the habit, form and other characteristics of the various plants that can be safely used in this section, and thus have a valuable guide to assist them in making their own selections. Therefore be it

Resolved that this Society greets with pleasure the spirit of advancement that has caused the formation of the Union Park collection, and hereby expresses itself as favorable to the scheme of the establishment of an arboretum, and promises hearty co-operation in this excellent plan for the diffusion of accurate horticultural knowledge among the people.

A committee was appointed to endeavor to secure a settlement of the medal question which has been hanging fire ever since the World's Fair Chrysanthemum Show, it being understood that the medals are at last being made by the Government authorities. Another committee was appointed to see that Chicago horticulturists were in future properly represented in the state board.



BASKET OF HYBRID ROSES BY SIEBRECHT & WADLEY.
EASTER PLANT ARRANGEMENTS

Of the flower trade this week, perhaps the less said the better—in fact it is a prevailing opinion that there isn't any. Continued warm weather has brought out flowers of all classes with tremendous rapidity, and there is a great increase in outdoor stuff. Retail trade has been dead ever since Easter, and the result is an enormous glut. It appears as if the same influences affect trade here as in the eastern cities; business is at an end very much earlier than formerly. Flowers are of good quality, very fine roses being seen. First quality Beauties go at \$1.50 to 2 per dozen, and poor grades do not go at all. American Belle is not seen in our market, and, contrary to Philadelphia experience, the few grown here did not sell. Reinburg Bros. tried it, but are now growing Beauty only. Bridesmaid and Testout are seen in good form and color. The average price quoted for the large teas is 3, but prices are greatly cut, and it is said that mixed roses could be bought for 5 per thousand, in large lots.

Red carnations are extremely plentiful and go very slowly; whites are scarcer, but the general glut depresses the price of these also. Sweet peas are more plentiful than last week, and generally excellent; John Turner of Morgan Park is sending in particularly fine long-stemmed stock. They are still quoted at 1. The market is absolutely snowed under with bulbstock; so much is coming in from outside. Narcissus of every garden variety comes in (and remains on the wholesaler's hands), and tulips, single and double, are in by thousands. Some parrot tulips from the M. A. Hunt estate were noted; they were beautiful in form and texture, and unique in coloring. As for lilac, which came in scattering lots last week, it is now here in a rush. One wholesaler received 1600 bunches one day lately; lilac and carnations are the main stock of the fakirs. But even the fakirs complain that business is poor.

Northern ferns are being received, and the famine in greens is now over.

T. J. Corbrey & Co. have moved into their new quarters at 59 Wabash, and will soon be settled after the usual discomforts of moving day.

Mr. and Mrs. O. P. Bassett are visiting Baden Springs, Ind., the trip being undertaken for the benefit of Mrs. Bassett's health.

Geo. W. Miller expects to take an eastern trip shortly, when he will visit some of the growers of forced fruit and vegetables. Mr. Miller has been growing forced cucumbers largely this year, and it is reported that he will turn his attention to choice forced vegetables in future, rather than flowers.

Mr. Harry A. Bunyard left the Alexian Brothers Hospital on Thursday, and hopes soon to be amongst his customers again. He wishes to express his thanks for the many kind letters of inquiry from his friends who saw an account of his illness in the *FLORIST*. From here he goes to Marquette, Mich., to recuperate from the after effects of typhoid, weakness, where he will visit awhile with an old schoolmate.

Mr. Van Waveren, of Hillegom, Holland, was in town this week.

Boston.

The period of overstock and light demand has struck Boston in earnest the past week. Norton had one big wedding order on April 30, but this only emphasizes by its loneliness the dearth of such affairs. The street boys are in clover, and line the sidewalks every evening with baskets and boxes of roses, violets, and carnations, all in various stages of collapse, and which can be bought for a song; carnations have had to come to it at last, but the carnation growers have no good reason to complain of their season's trade.

Boston is well supplied with visitors now. Last week's crop of industrious canvassers has given place to an equally numerous and equally plausible crowd. There are Harry Bayersdorfer of Philadelphia, who talks supplies without limit or reserve, Burt Eddy, who represents J. C. Vaughan, J. H. Troy, who represents United States Nurseries, and F. W. O. Schmitz, who represents himself, all ready to fill their books with Harrisilily orders or any other literature of a similar nature, and hoping to go home with "tidings of comfort and joy" for the house.

Trailing arbutus is just in its height and violets scarcely pay for the picking.

A big attendance is expected at the Florist Club meeting on May 7, to listen to Mr. O'Meara's lecture.

Easter Basket of Hybrid Roses.

The accompanying engraving belonged with those that appeared in last issue, but through an imperfection in the photo the cut was not ready in time. This is an Easter arrangement of hybrid rose plants in a basket, by Siebrecht & Wadley, New York, and shows how these somewhat difficult subjects may be so treated as to look in keeping with their surroundings when placed in the richest drawing room.

Philadelphia.

The weather the past week has been very disagreeable, and interfered to a considerable extent with the transient business. There seemed to be considerable to do however, between funerals and weddings. There are a great many flowers about, and in fairly good condition considering the weather; quite a little mildew is seen, caused no doubt by inattention to fires during the warm spell of last week. Prices of stock remain about the same, \$4 to \$6 for the large teas, 2 to 4 for the smaller buds, from 1.50 to 4 per dozen for Beauties, and from 3 to 4 for the hybrids for the same quantity. Carnations are down, 1 to 1.50 with 2 per hundred for the extras is now the price. Sweet peas are very plentiful and sell for from 50 to 1.50 per hundred. Bulbous stock from out of doors is to be had in quantity at all sorts of prices, from 2 per hundred down. All bunched flowers, such as alyssum, daisies and the like are sold by the lot. No reasonable offer on a job lot of most any kind of stock is refused. The only exception to the decline is smilax; this holds its head high, and it is a very small string that will not bring 25 cents.

One of the leading city undertakers opened a new branch establishment last week and invited the general public to see his funeral furnishings. The building was a ten room dwelling with office. In every room caskets were displayed, and the entire building was decorated most lavishly; everywhere that a plant could be placed or mantels banked it was done. The bannister was decorated with asparagus and flowers to third floor. Over all doorways and on blank spaces of wall asparagus and cut flowers were used. In two rooms the walls were draped with cheese cloth, being entirely covered, and dotted on this were pink roses, the ceilings were canopied with asparagus and roses. In these rooms were two wax figures laid out as for burial, one of a woman and another of a child. Mats of flowers were placed at the bottoms of the caskets on the floor and loose flowers and clusters used on the casket lids and on the bodies. About in the other rooms were floral designs. All the cut flowers used

were renewed and kept fresh each day; the opening lasted for four days. It was a very unique affair and attracted a great many visitors.

Bert Cokely & Co. dealers in florists' supplies, were sold out by sheriff on April 18. K.

A Peculiar Discoloration of Pæonia.

The leaves of certain pæonia plants grown in nursery rows by a florist have attracted attention by their peculiar discolorations. Some plants had all their foliage abnormal, while with others only here and there a leaf or portion of one



was affected. The accompanying engraving made from a sun-print of a portion of a leaf shows somewhat the nature of these blotches. The discoloration seems to start as a small speck, followed soon by a ring of yellow outside a circle of green, and inside of the latter is the light speck. Sometimes the concentric circles are interrupted by a vein or by the blending of two sets of rings.

As yet a microscopic examination of the injured parts does not reveal the presence of any fungus, and no insect has been found associated with the strange spotting of the pæonia leaves. The attention of florists is drawn to this with the hope that it may have been met with by others, and an explanation of the peculiar leaves is at hand. Attention of botanists was called to the case at the Brooklyn meeting in August last, but no light was thrown upon the subject. It will be interesting to watch the same plants this season to note if the trouble is perennial or passes away with the year.

BYRON D. HALSTED.

Rutgers College, New Brunswick, N. J.

Baltimore.

Saturday, Sunday, Monday and Tuesday one prolonged and incessant drizzle, without extenuating circumstances, as one might say. To be sure everything out of doors is growing that has the least bit of life in it, and the greenness of the foliage, and whiteness of the blossoms is unmarred by a speck of dust, for obvious reasons; but the weather is a great thing to kick about, and a safe thing as well, so let us grumble our fill about the rain. It isn't so safe to grumble about prices, for either the grower or the dealer is apt to be vexed whether prices are up or down.

A dealer said to the scribe the other day "Where did you get your Easter prices? I got splendid valley from Philadelphia for three cents." Whereat the writer gently replied that he had to make up an average as well as he could from many

reports, and had unfortunately missed the transaction referred to.

The next rebuke was from a grower, who remarked, "How is it Baltimore prices are so much lower than other cities as reported?" To whom a reply about on this wise was made. "Possibly because the standard of production is not high enough. When we produce as fine buds as other cities we will get as good prices for them. Even now the really first-class buds and carnations bring as much here as any where else in the country."

The public squares are gorgeous with Dutch bulb flowers. Here and there they seem to have suffered from the severe winter, but a walk down Eutaw Place showed that charming boulevard to be a succession of the most beautiful effects in tulips and hyacinths ever seen here. Whether the size and quality of flowers were considered or the taste and skill in arranging them in beds, the decision was first-class, and the superintendent, Mr. Leibert, deserves great praise for the result.

Cut flowers are in plentiful supply, though numerous weddings have helped the demand a little.

The demand for flowers at funerals seems to be on the increase rather than otherwise, though when one thinks of the grotesque things sent occasionally it is a wonder that "No flowers" is not seen more frequently. Speaking of grotesque things, a design at the funeral of the shop foreman of a large brass works here was an enormous steam whistle fully four feet high, made of flowers of many colors, and bearing about as much resemblance to the thing represented as the drawings of our childhood which were considerably labeled "A horse," "A man," etc.

Theodor Eckardt, individually, and trading as Theodor Eckart & Co., at Ruxton, has made a deed of trust for the benefit of creditors to William Penrose, who has given a bond of \$5,000. On a petition of the trustee by Z. Howard Isaac, attorney, the court has assumed jurisdiction of the trust.

J. H. Bokel has opened a flower store in the Equitable Building. MACK.

Cincinnati.

Pleasant, spring-like weather has come to us at last, and all outdoor vegetation is leaping forward with an apparent determination to make up for lost time. Hyacinths are blooming, and early tulips are beginning to show color. The outdoor work and the constant attention required by bedding plants in the houses now distract the growers' attention from their roses and carnations, and the result is apparent in the quality of some of the lots being sent in. There is any quantity of poor stuff about town, which gets, as a rule, into the hands of the street fakirs without much difficulty, and on the street corners it has to take its chances with its more seasonable competitor, the popular May flower, which catches most of the customers.

Complaint of poor business is universal. In retail circles nothing whatever seems to be doing. There is here and there a little funeral work, but nothing else of note. Transient trade is almost entirely monopolized by the street merchants, who fairly swarm the town.

The market is in a worse condition than ever. The extremely warm weather toward the end of last week rushed the crop forward at such a rapid gait that even with good business it would have

been difficult to dispose of it to advantage. There is no settled price for anything. Nominally roses are held at \$2 to \$3, but in reality the bulk of the stock is sold for much less. Bridesmaid, Meteor, Jack and Beauty are the only roses at all in demand, and some sort of a price is obtained for them. Good Beauties bring from \$12 to \$20, Jacq \$6 to \$8, Meteor and Bridesmaid \$3 to 4. Carnations have at last been carried down in the general slump, and the best stock is sold at \$1, the bulk going at from 50 to 75 cents, and in large lots at even less.

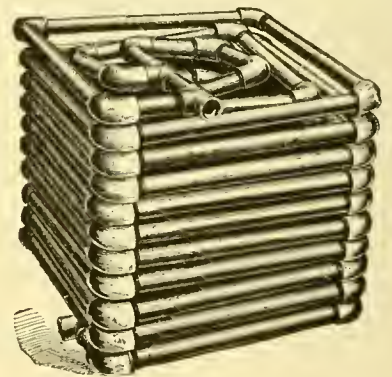
In bulbous stock valley has been scarce at \$3. Tulips, daffs and Dutch hyacinths are coming in freely from the open ground, but there is little demand for them. Tulips and daffs are quoted at \$1, Dutch hyacinths at \$2 and \$3. The few violets sent in are sold readily at 75 cents. Smilax is as usual at this season, a very scarce article, and good stock could be readily disposed of at three times the winter price. A great many of the florists are already complaining of the scarcity of water. P.

Zirngiebel's Coil Heater.

Mr. D. Zirngiebel of Needham, Mass., has for a number of years used a heater of his own construction, which he believes to be the cheapest and most economical method of heating. The device is not patented and Mr. Zirngiebel is perfectly willing for any one in the trade to make use of it. The accompanying cut shows the coil which constitutes the heater when set in brick work. Mr. Zirngiebel writes:

"Any florist can construct and set it, at a nominal cost, and with the best results, as a coil of that description about 2 feet square will easily heat a house 100x20 feet and consumes from 6 to 10 tons of coal, according to the temperature needed. They have, of course, to be used under pressure.

"They are set in brick work, using Hitchings' shaking grates, which are admirably



adapted for the purpose. In constructing the coil we leave an opening of 8 to 10 inches in the center, to feed from the top and act as a coal magazine, the boiler set one foot from the grate. They will hold coal enough to last from 12 to 18 hours, according to the weather, and an occasional shake of the grate is all the care required. The whole thing is simplicity itself.

"We lately completed a range of glass 300x30 feet, heated on the pressure system, with a coil 6 feet by 2½ feet, overhead flows and side returns, and from present indications we are safe to expect a saving of 40 per cent in coal, and better temperature than obtained before in using no pressure and 4-inch piping, the present arrangement being 2-inch pipes throughout.

"We have used a quantity of the elliptical

coils for dwelling house heating, using common radiators and coils of pipes in living rooms, one coil boiler heating 10 to 15 rooms very easily, with scarcely more coal consumption than is required in a kitchen range. The circular elliptic coil would produce the same results also, but are very expensive to make, one dollar a foot for inch pipe is the cost in Boston, and probably the cost of 1½-inch, which is the regulation size to secure good circulation, would not be far from double these rates, so at that price they are out of the question."

Buffalo.

Wonderfully fine warm and dry weather has helped to make a stir in the business generally. Plant men are now rushed with their work and some of them talk of having "bees" of an evening to catch up. These bees are all right if properly conducted, and help one wonderfully when you have a straightforward job. Two years ago I remember in this month that three men and a boy shifted 1,700 coleus from 3 to 4-inch pots in less than three hours. Of course the old man was there to throw in a word of encouragement and a joke. This lot never could be handled in the day time in those hours, because there would not be the same vim and snap about it.

Flowers of all kinds are in too great abundance to be healthy. I heard of a lot of flowers sold on Saturday last by our commission merchant to a market peddler that enabled the peddler to retail five roses at 25 per dozen and carnations at 10 cents ditto. It was a case of force, and such sacrifices are going on all over the country, but I pity the poor grower. To read the society columns of our daily papers one would think that half the people in town were getting married or remarried, but the effect on the florist trade is not greatly in evidence. All orders were very moderate in price. There was one wedding last week out of the usual dull order, and that was at the aristocratic Westminster Presbyterian Church of Delaware avenue. Hundreds of lilies, spiræas and azaleas were used and the effect they say was fine. The writer did the work, but he did not see it.

A few, a very few, short months intervene between now and Pittsburg. Our boys seem to take no heed that at Atlantic City we came out champions at bowling and second in shooting. Unless they get together and practice that beautiful banner and that solid Spaulding cup will go to the Quaker City or New York. Our team is sadly broken up. The veteran Mepsted has chronic poor man's gout, or some variety of that dread disorder. The doctor has told W. S. that he cannot think of playing in a year. One or two of the old team has left the city, so new blood will have to contend for the honors. There is plenty of good stuff here if they would only practice. There is the veteran Palmer, no better man ever rolled a ball, J. H. Rebstock, S. Anderson, W. A. Adams, W. Belsey, W. Milley and several others, all wonders at the game, but they are satisfied to sit round a table and tell you what they need to score. Well boys, if you don't wake up I can tell you we shan't be in it. As for shooting, which I trust is a future come to stay in our annual convention, the ability in that line is entirely confined to one family. At considerable trouble a few days ago we induced half a dozen of the craft to take a little practice at inanimate targets. We will never do it again. It was worse, far worse, than Mr. Pickwick's experience,

when seated in a wheelbarrow he viewed the marksmanship of his friend Mr. Winkle. Poor Winkle only got the gun tangled up in his legs. But our Mr. Long, after the shell failed to explode, looked down the barrel to see what was the matter. This so agonized W. S. that he hurled his left hand crutch at him, and the practice adjourned. Still, with all this, if you can send Dorrance to Europe and John Burton to Congress we will beat out our beloved friends. W. S.



THE LATE G. R. BERGMANN.

OBITUARY.

G. R. BERGMANN.

Mr. G. R. Bergmann died at his home in Flatbush on Sunday afternoon, April 28. Mr. Bergmann was 34 years old; born in Dresden, Germany, and came to this country eleven years ago as agent for F. Sander & Co., St. Albans, England, with whom he had been for several years. He afterwards bought the establishment of Julius Kretschmar in Flatbush, commencing business with a very small capital, but by close attention and industry made a success of it at once, and built up for himself a profitable business. He soon made a reputation as a skillful and intelligent grower; and has been particularly noted within the past few years for his success in cyclamen cultivation. His will provides that his estate shall be divided between his mother in Germany and his aunt, who has been his housekeeper in Flatbush. By his cheery disposition Gus Bergmann endeared himself to all with whom he came in contact. He was one of that coterie of rare good fellows to whose fraternal harmony among themselves and unselfish generosity to the stranger Flatbush owes its enviable reputation for kindly hospitality, and in his death Flatbush, the Society of American Florists, the New York Florists' Club and the fraternity generally are called upon to bear an irreparable loss.

SPRINGFIELD, MASS.—The Hampden County Horticultural Society will hold a grand exhibition of sweet peas about July 17th. The premiums amount to nearly one hundred dollars.

News Notes.

ELGIN, ILL.—Mr. Geo. Souster has been ill for several weeks with enlargement of the liver.

LAREDO, TEX.—Anna B. Nickels suffered a damage of \$1,000 to her stock of cacti from a blizzard in March.

TOPEKA, KAS.—E. M. Sheldon is about to embark in the florist business here, his establishment being at 1025 Taylor street.

QUINCY, ILL.—The city is arranging to purchase the Berrian tract of 52 acres, known as Watson Springs, and will turn it into a public park.

JACKSONVILLE, FLA.—The eighth annual meeting of the Florida State Horticultural Society will be held in this city May 7 to 10. A. H. Manville, of Glen St. Mary, is secretary.

DES MOINES, IA.—The park commissioners have a gang of men at work clearing Waveland Park of underbrush. The park will be fenced this year and probably a lake, covering five or six acres, will be built. The lake will be one of the finest artificial sheets of water in the state.

SANTA BARBARA, CAL.—The floral festival has proved a great success, the floral exhibition being a great advance over that of former years. In addition to a large exhibit of economic and ornamental tropical plants there was a fine show of roses and other flowers of the temperate zones.

ATLANTA, GA.—B. E. Fernow, Chief of the Forestry Division of the Department of Agriculture at Washington, is here arranging for a comprehensive exhibit at the Cotton States Exposition. Of the 12,000 square feet of space allotted to forestry the government exhibit will occupy nearly 4,000 square feet.

FRANKFORD, PHILA.—Fowler Bros. say that catalogues should no longer be addressed to them at their old location, 5031 to 5035 Charles street, but to their new address, Cherry and Dyre streets. There is no longer any greenhouse business at the old location, and the sending of wholesale catalogues there is doing them harm.

DIXON, ILL.—George M. Kendall of Leominster, Mass., an extensive grower of hothouse cucumbers, has been in our city for the past few days negotiating for the erection of a cucumber plant for W. F. Preston on South Peoria avenue. He will put up a twin plant for M. Preston one hundred feet long each, about the first of June.

TRENTON, N. J.—Hilborn reports Easter trade 50% greater in volume than last year; they were well cleaned out. Prices, however, were considerably lower. Competition is becoming very active at this point, and it looks as if many would have to hoe a hard road beside such safe and conservative people as Wainwright. Joseph Ribsam has left his father and set up for himself.

COLUMBIA CITY, IND.—Trade during the past winter has been good, everything selling well. Easter trade was far ahead of that of any previous year. Supply was much short of the demand. S. D. Amerman is growing some excellent roses and carnations. His Portias measure two inches across and have strong stems 22 inches in length. He feeds them liquid manure about once a week.

The "Up to Date" Florist.

"It is a source of infinite pleasure to contemplate the remarkable progress made within the last few years by the S. A. F.," remarked a "bulb man" to me the other day in the course of a pleasant chat, during which we compared notes, both of us having ample cause to be thankful for the return of the brighter days, which "had been so long a'comin'."

There is certainly much to be admired in the "go-aheadness" of the "upto date" florists (and they are in the majority), who, unlike their ultra-conservative predecessors of a generation or two ago, seem to realize the fact that success or failure do not depend so much upon the good or the hard times as upon the management or mismanagement of the florists themselves.

To illustrate my idea: A and B are two florists in a lively western town of, say 15,000. A is the possessor of four greenhouses, built in the most approved style and equipped with all the modern appliances. B has three tumbled down shanties of the antediluvian pattern, a veritable sore to the eye.

A grows fine roses, carnations, violets—just the stuff to catch one's eye and to inspire one's soul with a desire to invest in the luxury. B, on the other hand, grows everything in general, and nothing worth growing in particular.

One step further: A has a beautiful store on Main street, the best window in town and the finest ice-box in the state, and like many another successful merchant, he believes in stimulating trade by means of a neat little adv. in the local paper. B abhors the very idea of such innovations. "Why, to be sure," he says, "I cannot see how that fellow A manages to pay his store rent and all that."

The result is this: A does the business; he enjoys the best trade of the town; he is perfectly happy; he has always a kind, encouraging word for the "knight of the grip," and quite often a neat little order besides. He is a member of the S. A. F.; he attends the annual conventions, and is always ready and willing to learn "something new," and thus add to his own stock of knowledge and experience. B, poor fellow, I am sorry for him, is away behind the times. No wedding decorations, no funeral work, no business.

"To be sure," he philosophizes again in his own peculiar fashion, "times are not as good as they used to be. People haven't the money; that's why we don't do any business." And you might as well attempt to move a mountain as to convince B that the fault is not in the times or in the scarcity of money, but in himself; that a little push and enterprise on his own part might in the course of time bring him good returns. He cannot comprehend such things, no, not B. Fortunately for the craft, the Bs are in the minority, and before another decade shall have passed it is safe to assert, they will entirely disappear.

Herbert Spencer's assertion that the secret of the universe lies in persistence of energy is unquestionably applicable to the secret (if a secret it be) of individual success as well. It is the persistence and the energy which many of my friends in various parts of the country apply to the wheel of trade, rather than blind luck, accounts for their success. What is wanted nowadays is energy. Energy and push in all things, and above all in trade. The finer the stock, the more attractive the store or greenhouse, the surer are the chances of doing business and vice versa.

During my eight years experience on the road in my capacity as traveling sales-

man, I have had many favorable opportunities of studying the various phases of the flower business. What has always impressed me as ludicrous is the way some florists still cling to the ideas of the good old times, when the camellia, instead of the rose was all "the go," when folks were not a "bit" particular, not half so much as they are to-day. The dingy little shop with its heterogeneous stock scattered about promiscuously upon the table, benches and floor, were good enough in "them days." "Folks were plainer in their tastes and did not put on so much style either," said an old timer to me one day recently, "whereas nowadays nothing but the best will suit them."

And the wide-awake florist, be it said to his credit, fully realizes the fact "that nothing but the best will suit," hence continual improvements are the order of the day. Whether it be the plant or the cut flower, the bouquet or the design, the greenhouse or the store, a marked change for the better is noticeable everywhere and in everything. Mr. Smith fits up an elegant store of which he is justly proud, but lo and behold! Mr. Brown "goes him one better," and a new store, a more pretentious and attractive one than that of Mr. Smith appears in town.

If variety is the spice of life competition is certainly the backbone of business. The fact that the rising florists vie with each other in their efforts to attract the most custom tends only to enhance the chances of each, individually, and of all as a body, (providing, of course, no questionable means are employed). S.



IMPLS OF THE POTTING SHED

A Shattered Idol.

It was during the busy season, and the place was short-handed. The boss was rashly determined to hire the first wanderer who might come along, regardless of antecedents, to fill the place of one mild-mannered young man, who, having been entrusted with a pot of tar paint, and an order to use it on the potting shed gutters, had painted several lengths of pipe in one of the rose-houses before his nefarious work was discovered. It was just as the boss came to the conclusion that he ought to have hired a slim young man in a pink shirt who had been looking for a job the day before, and who, on being told what was expected of him, haughtily remarked that he was looking for a job, and not for slavery—it was just at this minute that the small imp who washed pots and got in everybody's way looked into the office and remarked that there was a chap outside wanting to see the boss. As the boss stepped into the potting shed he straightened up his collar

and wished he had put his coat on, the new comer looked so extremely respectable. He was a tall, slim elderly man, wearing a black frock-coat and a silk hat, apparently dating from the vintage of 1867. The hat was a little rusty at the edges, and the coat somewhat worn at the seams, but his stiff standing collar was dazzling in its purity, and his manner would have conferred dignity on a bishop. The boss was quite overcome when this vision of respectability stated that he was looking for work, and not above taking a journeyman's place. "As head of the propagating range at Slough, Mr. Cuttings—perhaps you've heard of Turner's at Slough—it's rather a fall to come down to journeymen's wages, sir, but times are hard, and I have met with reverses of late, and I'll take what you offer." So he was inducted into office immediately, and as Mr. Cuttings laid down to rest that night he had pleasant visions of being able to go the convention sure this year, with such a responsible man as Ironsmith to take charge in his absence.

The other men about the place took quite a fancy to Ironsmith, in spite of his respectability. He was very sociable, and told endless yarns about the days when he was an apprentice at a big nursery in the old country, earning six shillings a week. It was in the old days of high prices, and bread was a shilling a loaf. The men lived in a bothy, and boarded themselves, and Ironsmith was quite pathetic as he described the feelings of a hungry boy, who could have eaten his daily shilling in bread alone. It was there he learned several ingenious ways of snaring rabbits, which he explained to the profound admiration of the pot-washing urchin, and his description of the way they used to cook a tender young hare, dressed but not skinned, rolled up in wet clay and laid in the furnace, clay, skin and all being removed at once when it was cooked, made all think of trying that luxury with the next rabbit that fell into their clutches.

It is an unfortunate fact that the average small boy is totally devoid of reverence, and Billy the pot-washer did not seem to view Mr. Ironsmith with the esteem his respectability inspired in the others. The one drawback to Ironsmith's appearance was a distinct crimson flush at the end of his respectable nose, and although when dressed in his dignified black this was hardly noticed he certainly looked a different person in an earth-stained suit of brown overalls, with a canvas apron and a small cap on the back of his head. There was one occasion when Mr. Cuttings happened to catch sight of Ironsmith pursuing Billy the entire length of the propagating house, a brass syringe in his hand and an expression of extreme wrath on his face, and Billy was just around the corner as the syringe came crashing through the door, with a jar that shook every plant in the house. Mr. Cuttings tried to get some explanation of this scene, but Ironsmith only made some incoherent remark about his medicine, coupled with a threat that somebody would be the death of that boy, if he didn't take care, and Mr. Cuttings had to go away unsatisfied. There was something about Ironsmith's appearance, which, in a less respectable man, might have given rise to unpleasant suspicions, and even Mr. Cuttings felt a slight uneasiness when he caught sight of Ironsmith cutting the leaves off a *Lilium Harrisii* and sticking them into a propagating frame, following this extraordinary proceeding by mossaing the bare lily stalk and remarking confidently that he would

soon have a fine break from every joint. Suspicions gave rise to certainties a little later, when Irousmith, attired in his frock coat, silk hat, and other emblems of respectability, insisted on performing a Dahomey war dance among the flower pots, meanwhile singing, with a ferocious expression

"I am the cook and the captain bold
And the crew of the captain's gig—
The bo'swain tight, and the midshipmite,
And the crew of the Nancy brig."

We will draw a veil, as the novelists say, over subsequent proceedings. Mr. Cuttings' hopes of a trip to the convention, with an efficient substitute in his absence, were completely wrecked, and it is useless for any man addicted to wearing a silk hat and a clerical suit of black to apply for a vacant place on his establishment. There is such a thing, he thinks, as being too respectable, particularly when appearances are not borne out by subsequent conduct.

Pittsburg.

The B. A. Elliott Company went into the hands of a receiver April 27. The petition for the appointment was made by W. J. Elliott and J. C. Gooding. The debts of the concern are said to be about \$35,000, consisting mostly of promissory notes. The real estate is also said to be subject to several mortgages.

The petitioners are creditors of the company to the amount of \$2,448. A. C. Johnston was appointed receiver. He will be required to file a bond for \$10,000 before entering upon his duties.

Louisville, Ky.

Mr. Fred Haupt's new store was a genuine surprise to the writer, who recently had the pleasure of a visit to Louisville. It is on the principal business street and would do credit to New York or Chicago. Nothing essential to a really first-class store is lacking, not even the little nook containing desk for the use of patrons, where they find a full supply of blank cards, etc. for penning the "compliments" to be sent with flowers ordered. The large and handsome glass front ice box is fitted with electriclights inside and by pressing a button the interior is brilliantly illuminated, showing off the contents to excellent effect. In the rear is a fountain and basin surrounded by decorative plants. Mr. Haupt may well be proud of his store, and he seems to be doing an excellent business. S.

ACCORDING to the Springfield, Mass., *Homestead* "American Beauty rose has to be sprayed with some liquid to kill an insect fatal to the plant, so poisonous that it is taking one's life in his hands to bury your nose in the heart of the blossom." What next?

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

SITUATION WANTED—In a retail store by a young man of 20; best of references Address NEW YORK, care American Florist.

SITUATION WANTED—By a first-class man as foreman or second man in a large place where attention to business is appreciated. Address BUSINESS, care American Florist.

SITUATION WANTED—By a German young man; eight years' experience in growing roses, palms and general collection plants; references; state wages. Address C R, care American Florist.

SITUATION WANTED—By practical florist, German, married; experienced propagator and grower of roses, carnations, palms and general stock; good designer, best references. Address G. F. 315 Cambridge Ave., Toledo, Ohio.

SITUATION WANTED—By all-round florist, Scotch, married; 12 years growing cut flowers; 4 years with A. Giddings, Danville, Ill., as foreman; good funeral designer; reference. Address FLORIST, 5720 Garfield Ave., St. Louis, Mo.

SITUATION WANTED—By well experienced florist and gardener, competent in growing out flowers and forcing grapes; has charge of large private place, and is well recommended by present employer; nationality Swiss, age 23, married, no children. Address COMPETENT, care American Florist.

WANTED—A quick, reliable young man for the mail plant business in the west. R R, care American Florist.

WANTED—A few hundred dormant roots of *Canna Star of '91*. Address WESTERN, care American Florist.

WANTED—500 Bourbon roses in 3 or 4-inch pots; good stock. Address H. HAEFFNER, 10th & Heaton Sts., Hamilton, O.

WANTED—A few dozen *canna Queen Charlotte*. Address, stating size and condition, with lowest price per 100. R R, care American Florist.

WANTED—Florist, one that can grow roses, carnations, chrysanthemums and general stock of plants for retail flower store trade; a good steady honest man that is a good worker can find steady place at right pay; state wages wanted. FRED J. KING, 220 Madison St., Ottawa, Ill.

FOR SALE—No. 5 Furman Hot Water Boiler and 1,200 feet pipes, only 5 months used; a very rare chance. THE LACKNER, 157 Pomeroy St., Long Island City, N. Y.

FOR SALE OR RENT—Chicago greenhouses; \$3,000—\$1,000 cash, balance on time; 15,000 square feet glass, stocked with roses, carnations, etc. For particulars address A. T. JACKSON, Station X, Chicago.

FOR SALE—Two-story house with store and greenhouse at rear, 70 feet long by 20 wide, 426 1/2 St., good location; also store on Wentworth Ave., doing good business, with a reasonable rent. Address or inquire 627 Wentworth Ave., Englewood, Chicago.

FOR RENT—My greenhouse plant of between 8000 and 9000 feet of glass, located on Pearl St., Cleveland, O., with a good established cut flower and potted plant trade. Young rose and other cut flower plants for sale, and also all utensils necessary to carry on the business. Location second to none in Cleveland, adjoining one of the finest cemeteries in the city; electric cars passing every few minutes. Will be rented and stock sold on very reasonable terms. Possession taken June 1, 1895. Reasons for renting, not being a practical florist and engaged in other business. For a practical man, with moderate means there is no better chance in the U. S. Address J. D. SELZER, 1756 Pearl St., Cleveland, O.

FOR SALE OR LEASE. Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCBORN, Dubuque, Ia.

ONE MAN

In every town or city can make money next winter growing

Antirrhinum Majus Alba.

And now is the time to get your plants. Well established plants, propagated from cuttings, at \$4.00 per 1000; \$6.00 per 100; \$1.00 per dozen. 250 or more thousand rate.

WILLIAM K. WOOD, West Newton, Mass.

The FLORIST of March 30th says of *Antirrhinum majus alba*. "This seems likely to be a very useful florist's flower, and no doubt will be as great a hit as *Swalsons*."

Gardiner's Celebrated English Mushroom Spawn. Fresh and Reliable. \$7 per 100 lbs. Special price on larger quantities. John Gardiner & Co., Philadelphia, Pa.

New Fuchsia LITTLE BEAUTY, 50,000. The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100. BEGONIA Oliba, from 2 1/2-in. pots, \$9 per 100. GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$1.25 per 100. Cash with order. Special price on large quantities. LINCOLN L. NEFF, Florist, 4010 Butler Street, Pittsburg, Pa.

CARD.

My new address is 43 North 10th Street. Please don't forget the number. I've been telling about the change these two months back; but I still find a few looking for me at the old stand. Give me a call. Glad to see you. Also give me a chance to figure on your wants if you can't call. Exceptional values in Bulbs and Flower Seeds for the Florist Trade, at all times.

G. C. WATSON.

BULBS.

Cheap to Clear.

I am now offering some fine lots of LILIU AURATUM, big sound bulbs; LILIU ROSEUM, LILIU RUBRUM, HYACINTHUS CANDICANS, DAHLIAS, DBL. NAMED, 25 vars; and other popular spring bulbs, at a great sacrifice to clear for the season. Let me hear from you at once if you want some Big Bargains.

SEASONABLE SEEDS.

PRIMULA SINENSIS FIMBRIATA, choicest mixed colors, from the best strain I know, and I've seen the most of them. Pkt. 50c.; 1000 seeds \$3.50.

CINERARIA, James & Wetherill's superb strain. Pkt. \$1.00.

FULL LINE of other varieties of Flower Seeds for Florists. Can fill your orders by mail on the shortest notice.

G. C. WATSON,

43 North 10th St., PHILADELPHIA.

SEASONABLE STOCK.

IN FIRST-CLASS ORDER.

Acalypha Macafeana, 2 1/2-inch pots.....	\$5.00
Ageratum, Cope's Pet, 2 1/2-inch pots.....	2.00
Alyssum, Tom Thumb, 2 1/2-inch pots.....	2.50
Begonia Vernon, 2 1/2-inch pots.....	3.50
Cannas, dry roots, French seedlings.....	2.00
Coccoloba (Muehlenbeckia) Platycada, 2 1/2-inch pots.....	3.00
Coleus, Golden Crown, Firebrand, Beckwith's Gem, Purple Prince—a sturdy variety, superior to Hero, 2 1/2-inch pots.....	2.00
Ariel, dwarf, a beautiful var., 2 1/2-inch pots.....	4.00
Cuphea platycentra, 2 1/2-inch pots.....	2.50
Fuchsias, leading sorts, 2 1/2-inch pots.....	4.00
Cazania splendens, 2 1/2-inch pots.....	5.00
Ceraniums, Gen. Grant, and other leading bedding sorts, 2 1/2-inch pots.....	4.00
Ivy, Sonv. de Chas. Turner, P. Crozy, etc., mixed, 2 1/2-inch pots.....	4.00
German Ivy, 2 1/2-inch pots.....	2.00
Hibiscus, mixed rubra, grandiflorus, etc., 4 1/2-inch pots.....	5.00
Heliotrope, 2 1/2-inch pots.....	3.00
Pilea Serpyfolia, 2 1/2-inch pots.....	2.50
Solanum Jasminoides, 2 1/2-inch pots.....	10.00
Stevia serrata variegata, from flats, strong 2.00	
Swainsona galegifolia alba, very fine and strong, 2 1/2-inch pots.....	4.00
Mantetta bicolor, 2 1/2-inch pots.....	5.00
Alternanthera, rooted cuttings.....	.75
Coleus, rooted cuttings.....	.75

N. B.—The above prices are f. o. b. at Oyster Bay, without the pots.

SEAWANHAKA GREENHOUSES,

P. O. Box 34. Oyster Bay, Queens Co., N. Y. Mention American Florist.

COLEUS.

Per 100	
Rooted Cuttings.....	\$.60
From 2-inch pots.....	1.50
Alternanthera, 2-inch pots.....	1.50
Ageratum, white and blue, rooted cuttings.....	.50
2-inch.....	1.50

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

CHRYSANTHEMUMS.

Fine assortment of all colors, prize winners of '94. Rooted cuttings, free by mail, \$1 per 100. Strong pot plants, by exp. \$2 per 100; \$18 per 1000. CARNATIONS—G. Wilder, rooted cuttings \$1 per 100 by mail; \$7 per 1000. Cash. E. FRYER, U. R. Ave., cor. 11th St., Brooklyn, N. Y.

Worcester, Mass.

Last week was the first really dull spell we have had this year, and though it is time to expect a let-up in business yet there are more or less kickers of course.

The pretty little May flower (*Epigaea repens*) is responsible for part of the trouble, as quantities are gathered and offered for sale on the streets.

Stock is piling up rapidly, roses especially so, and for once this season the store men have enough carnations; there being no funeral work has also tended to pile up the stuff and although prices have not lowered very much yet it is only a question of time before the bottom drops out. The weather is warm and hulbons stuff in the field is blooming.

The only important event of the week was the Keith-Knowlton wedding in West Upton, a small village 12 miles from here. It was the largest decoration put up in this vicinity for some time and used up lots of flowers. H. F. A. Lange had the contract. Four loads of large palms were used in the church and the arrangement though simple was very effective. Five hundred longiflorums were used and the walls were festooned with *Asparagus plumosus*. The house was lavishly decorated, the reception room being embellished with lilies, white lilac and specimen arecas; the drawing room with Jacqs and red tulips and the library with tulips and adiantum; lilies and Magna Charta roses were used in the dining room and the balance of the house in pink and white roses; banks of adiantum and palms were everywhere. The bridesmaids carried long bunches of candidum lilies.

A. H. L.

St. Louis.

Trade has been very good the last week, but flowers are a glut in the market. Roses are selling at whatever figure the florist wishes to pay. The fakirs are very numerous. There is one that has small cases at all the principal points in the city, and boys up and down Broadway, with trays of roses, selling them 2 for 5 cents, and others 3 for 5. If it was not for the fakirs I do not know what the wholesale men would do.

Mermets, Brides and Maids are selling for \$1.50 to \$4; Perles, Woottons and Meteors \$1.50 to \$3; long Beauties for \$5 and \$10 per 100. The only flower that is bringing any price is the sweet pea. These are sold at \$1 per 100, and there is always a ready sale for them.

A. Y. E.

CHRYSANTHEMUMS. Fine Rooted Cuttings.

The following surplus stock at 75 cents per 100: Sne T. Price, a good pink; Joe H. White, a fine white; Old Homestead, white with yellow center.

The following at \$1.00 per 100: Niveus, Ivory, Harvest Queen, Kate Brown, McInnes, Mrs. Robt. Craig, Fuxedo, G. W. Moseman, Empress of Japan, Wana-maker, White Gem, Wootton, Eros, W. R. Smith, Harry May, Lillian B. Bird, Harry Balsley.

Add 10 cents per 100 to pay postage. CASH WITH ORDER.

JOHN J. ARNOLD, Homer, N. Y.

HURRY UP WITH YOUR ORDERS.

Rooted Cuttings of the following: Fuchsias, Heliotrope, Salvia splendens, Gazanias, Marguerites Chrysanthemums, standard varieties. All assorted, 40 cts. per 100.

Glechoma hederacea, Lobelia, Musk, Marie Louise Violet runners, Basket plants, Pansy plants, etc. 50c. per 100 by express. If wanted by mail add extra. Cash with order. No C. O. D. Other things equally cheap.

OAKS GREENHOUSE CO., Jackson, Mich.

PANSIES.

Strong stocky plants, wintered in cold frame, \$1.50 per 100; \$12.50 per 1000.

HELIANTHUS, ML. PL., \$2.00 per 100; \$18.00 per 1000.

CANNAS, dry roots, bronze and green.

J. H. DANN & SON, Westfield, N. Y.

ROSES. ROSES.

Superior forcing stock. Strong field-grown. Budded low on Manetti. Extra heavy tops and roots. Better than imported; can depend on their reaching you in first-class condition. Our exhibit at Atlantic City received Honorable mention.

E. V. Hallock says: "Your field-grown Roses interested me very much. They are without doubt the finest grown roses in the world." "The finest and cheapest I ever bought."—*Wm. Falconer.*

HYBRID PERPETUAL, MOSS AND CLIMBING.

In Splendid Assortment of leading varieties. Also Extra fine stock of following will be offered at very low rates while surplus lasts:

TREE ROSES—Holland grown, well rooted, good, heavy tops, in fine assortment.

AMPELOPSIS VEITCHII—Extra, 3 to 4 feet.

ARISTOLOCHIA SIPHO—Strong well branched plants with heavy roots.

VIBURNUM PLICATUM (Japan Snowball)—2 feet.

CLEMATIS—Strong, 3 year, large flowered.

TUBEROSES—Pearl and Double Italian, fine bulbs.

CALADIUM ESCULENTUM—9 to 10, 7 to 9 and 5 to 7 inch.

Low prices on application. State quantities wanted.

OUR USUAL COMPLETE STOCK OF HARDY AND TENDER PLANTS, POT ROSES, SHRUBS, VINES, BULBS, FRUIT AND ORNAMENTAL TREES, GRAPE VINES, SMALL FRUITS, SEEDS, ETC.

41st YEAR. 1000 ACRES. 29 GREENHOUSES.

THE STORRS & HARRISON GO.,

PAINESVILLE, Lake Co., OHIO

CATALOGUES AND PRICE LIST FREE.

Mantion American Florist.

THE CATALOGUE OF PITCHER & MANDA

for 1895—we have never seen a better one—shows how we can "get there" if we are given half a chance. Give us a whole chance, and we will do better, which is saying a great deal. If you want a Catalogue in up-to-date style, write us. Write to-day.

J. HORACE McFARLAND CO.,

Mount Pleasant Printery,

HARRISBURG, PA.

Florists who are up-to-date are using our Red Leaf Labels and Culture Leaflets. If you do not, write for samples at once.

MUST SELL OUT BY JUNE 1st.

the below surplus stock, which is in fine condition, all the flowering stuff just commencing to bloom. All orders shipped immediately they are received. Prices are for any quantity of one kind from 10 to 1000, but no order filled for less than \$1.00. If not satisfied with the stuff ship it back and I will refund your money. Per 100: Geraniums, best double and single mixed, 2 1/2-in. \$5.00 Ageratum, dwarf blue and dwarf white, 2 in. 2.00 Pansies, very fine strain. 1.50 Feverfew Little Gem, 2 1/2-in. 3.00 Alyssum Little Gem, best bedder or for retailing in pots, 2-in. 2.50 Alyssum Giant Double, 2 1/2-in. 3.00 Heliotrope, 3 kinds, 2 1/2-in. 3.00 Vinca variegata, 2-in. 3.00 Verbena, these are extra fine, 2-in. 2.00 Begonia, mixed flowering, 3-in. 5.10 Roses, mixed teas, very fine, 4-in. 6.00 Chrysanthemums, one each of 20 standard and up to date varieties from 2-in. pot, for. 75 Centaurea (Gymnocarpa), 2 1/2-in. 3.00 Carnation Marguerite, fine strain. 2.00 Pilea (Artillery Plant), 2 1/2-in. 2.50 English Ivy, large plants, 6-in. pots, 20c. each. Acalyranthes, red or yellow, 2 1/2-in. 2.50 Cash with order.

H. COLCLOUGH,

West End Greenhouses, Mt. Pleasant, Iowa.

COLEUS, COLEUS, COLEUS.

We take back sent for none, and claim to be the leaders in the Coleus trade, and the originators of the Golden Queen Coleus, the only good all around yellow Coleus grown. Over a hundred thousand now ready.

Per 100 Per 1000 Golden Queen and C. Verschaffeltii, rooted cuttings \$.75 \$ 6.00 Coleus in variety .60 5.00 Feverfew 1.00 9.00 Ageratum, blue and white. .75 Heliotrope, 4 varieties. .40 Snow Flake Stock, 2 1/2 in. pots, at. .25 Cash must accompany the order.

J. E. FELTHOUSEN,

370 Van Vranken Ave., SCHENECTADY, N. Y.

Rooted Cuttings.

Verbena, Carnations, Marguerite, Fuchsias, Heliotrope, Mums, Alyssum, Ageratum, Geranium, 15c. per dozen; \$1.00 per 100. Double Petunia, Dahlia.

PLANTS.—Chinese Pink, Perennial Poppy, Nasturtium, Aster, Mums, etc.

F. A. HAENSELMAN, So. Denver, Colo.

New Chrysanthemums for 1895

JAPANESE NOVELTIES AND CALIFORNIA SEEDLINGS.

ADMIRAL ITO.—Enormous brilliant yellow margined amber.

BUFF GLOBE.—A golden sport from Good Graciously.

BUFF HAIRY.—Deep brownish yellow, hairy.

COUNT YAMAGATA.—White shaded pink.

FUZI SNOW.—A white sport from Good Gracious.

GENERAL NODZU.—A grand incurved yellow.

GRACE S. YOSHIKI.—A striking white seedling from The Queen.

GOLDEN PALACE.—A perfect golden ball.

MARSHAL OYAMA.—A glistening white, incurved.

ORIENTAL GLORY.—A magnificent shrimp pink.

PEARL PALACE.—A perfect spherical flower of pearly white.

YELLOW SUPERIOR, a mammoth incurved yellow.

Price 50c each, \$5 per dozen, \$35 per 100.

Cash with the order. Send for Catalogue.

Japanese Nursery,

H. YOSHIKI, Prop.,

Cor. 16th & Willow Sts., Oakland, Cal.

CYCAS REVOLUTA.

Orders booked now for fresh imported stems, fronds and roots cut off; best long-leaved variety. Delivery Feb. 1st to April. Cultivated Cycas always on hand, rooted and well established.

Lil. Auratum, Spec. Rubrum and Album, Etc. Iris Kamperi, in 100 choice varieties. Japanese Maples, in best varieties. Camellias, Paonies, Tree Ferns, Raphis, Etc. Araucaria excelsa, choice cultivated stock at lowest prices.

For general Japanese stock apply to

F. Gonzalez & Co.,

303 to 312 Wayne St., SAN FRANCISCO, CAL.

75,000 AM. BEAUTIES.

Get in your order now, and make money by buying 2½-in. stock all strictly January propagation, made from blooming wood that will stand the most critical inspection. \$6.00 per 100, \$50.00 per 1000, \$40.00 per 1000 in 500 lots. Per 100 Per 1000
 Meteor, La France..... \$4.00 \$35.00
 Perle, Niphetos..... 4.00 35.00
 Chr. de Nove, Watteville..... 4.00 35.00
 Mme. Cochet, Bridesmaid..... 6.00 50.00
 The Bride..... 3.50
 Clothilde Soupert, Catherine Mermet..... 3.50 30.00

CARNATIONS

transplanted out of flats, ready for the open ground.
 Portia, Silver Spray..... \$ 1.25 per 100.
 Lizzie McGowan, Fred Dornier..... 10.00 per 1000.
SMILAX — A No 1 2½-inch stock, \$2.00 per 100, \$15.00 per 1000. \$10.00 per 100 in 5000 lots.
 Samples on application.
 Cash must accompany order.

J. B. HEISS,

116 South Main St., DAYTON, OHIO.

100,000 ROSES.

From 2-inch pots, in **best sorts**, at \$30.00 per 1000.

Wholesale Catalogue upon application. Send us in your lists and we will quote lowest prices by return mail.

OVER ONE MILLION PLANTS IN STOCK.

Satisfaction Guaranteed.

ADDRESS

NANZ & NEUNER,
 LOUISVILLE, KY.

ROSES. ROSES. ROSES.

TEA AND MONTHLY ROSES from 2-inch pots, \$2.50 per 100; 3 inch \$4.00 per 100; fine large plants, our selection, from 20 best kinds.
H. P. ROSES, 2 and 2½-inch pots, \$3.00 per 100, one year, our selection from 25 standard varieties. Good assortment at above reduced prices. 17 3 and 4-inch Palms for \$3.00; 34 for \$5.00 CASH.

WILLIAMS & SONS CO., Batavia, Ill.

ROSES.

	Per 100	Per 1000
CLIMBERS	\$2.50	\$25.00
H. P.	3.00	28.00
MOSS	3.50	30.00
MONTHLIES , in good variety	3.00	25.00

Cash or satisfactory reference. Correspondence reference.

THOS. A. McBETH, Springfield, O.

FORCING ROSES

OF ALL KINDS.

CARNATION PEACHBLOW.

For reasonable price.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

CANNAS.

NEW SET OF 12 CHOICE DISTINCT VARIETIES FOR \$8.00.

All best varieties of recent introductions at low rates; liberal discounts for large orders.

JOHN N. MAY, Summit, N. J.

MAY OFFER.

	Per 100
ALTERNANTHERA , red and yellow, 2½-in. pots.....	\$2.50
ENGLISH IVY	2.50
GERANIUMS , 4-inch pots, assorted.....	5.00
COLEUS	2.75
PANSIES , small, \$1.00; larger.....	1.75

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.

MARIE LOUISE VIOLETS ONLY.

Have never lost a plant by disease, and no disease in my houses.

Clumps \$5.00 per hundred. Plants taken from clumps and shifted the same day, \$6 per 1000
 Cash must accompany the order.

JOSEPH MARKEL, Rhinebeck, N. Y.

8,000 TO 9,000 PER DAY IS WHAT WE SHIP OF

BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY.

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw the New Rose growing, "I am agreeably disappointed; I had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF.

\$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave.

NEW ROCHELLE, N. Y.

YOUNG ROSE PLANTS

We offer the following very choice Plants out of 2 1-2 in. Pots.

	PER 100.		PER 100.
AMERICAN BEAUTIES,	\$5.00	BRIDES,	\$3 00
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The above stock is very strong and healthy, and propagated from selected wood. We send out the same stock that we grow for ourselves, and it will give better satisfaction than stock which has been grown simply to sell.

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The Largest and Finest Stock in America.

Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots, \$15.00 per 100. Ready for immediate shipments.

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wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

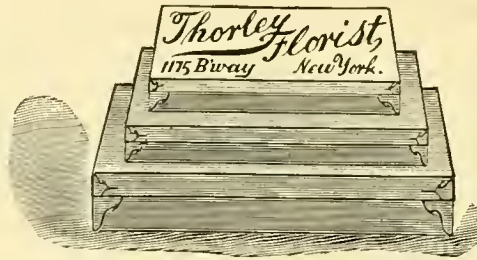
Recent Deaths.

At Brooklyn, N. Y., April 23, Mrs.
August Rolker, aged 72.At Melrose, Mass., April 26, Mr. Wm.
Mitchell, father of Mrs. David Allan.At Peabody, Mass., April 25, J. M.
Ward, aged 56.At Worcester, Mass., April 12, Davis
Thayer, father of C. D. Thayer, aged 77.
At Poughkeepsie, N. Y., April 7, Thomas
Hanrahan, of the firm of Hanrahan &
Murphy.At West Hingham, Mass., April 17, M.
W. Clark, vice-president of the Hingham
Agricultural and Horticultural Society,
aged 83.At Brighton, Mass., April 14, Thomas
Hurley, aged 80.

An Interstate Park.

Bills authorizing the establishment of
an interstate park at the falls of the St.
Croix have passed both the Minnesota
and Wisconsin legislatures. The people
of Taylor's Falls and St. Croix, the twin
villages on opposite sides of the water-fall
have held a meeting and resolved to do
something to supplement the aid extended
by the states. They will construct foot
bridges across the river, and bridges and
steps from crag to crag and cliff to cliff,
so that visitors may easily inspect and
enjoy all the beauties of the famous falls.
They will also improve the roads leading
to the park, thus furnishing a series of
charming drives.

Catalogues Received.

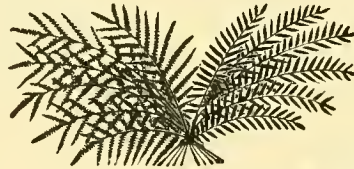
J. C. Rennison, Sioux City, Iowa, retail
list plants and flowers; Forest City Nur-
series, Portland, Me., trees and shrubs;
J. J. Grullemans & Son, Noordwijk, Hol-
land, roots and tubers; Ellwanger &
Barry, Rochester, N. Y., trees and shrubs;
C. J. Speelman & Sons, Sasseuheim, Hol-
land, wholesale list Dutch bulbs; F. M.
Pennock & Co., Charlestown, W. Va.,
carnations, chrysanthemums, violets; H.
Yoshiike, Oakland, Cal., new chrysanthem-
ums; Heckenkamp & Blasing, Quincy,
Ill., seeds; H. H. Given, Denver, Colo.,
seeds and plants; V. Lemoine et fils,
Nancy, France, plants, seeds and bulbs.PERILOUS GARDENING.—"Oh, Freddie,
you mustn't dig any deeper! Our teacher
said the Australians live right down
through the ground, and what would
papa say if you should let them right into
our garden?"—Exchange.**SAMUEL S. PENNOCK,**
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We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

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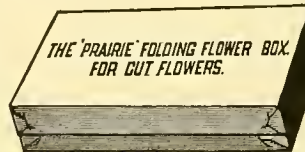
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" Bridesmaid	1.00@5.00
" La France	1.00@5.00
" Testout	1.00@5.00
" Meteor	1.00@3.00
" Beauty	10.00@2.00
" Hybrids	2.00@5.00
" Jacqs.	10.00@20.00
" extra	4.00@8.00
" Moss per bunch	50@1.00
Carnations	50@1.50
" fancy	1.50@3.10
Violets	.25@.40
Valley	2.00@3.00
Harrisll lilies	3.00@4.00
Mignonette	1.00@4.00
Smilax	25.00
Adiantum	1.00
Lilac per bunch	50@1.00
Asparagus	0.00

	BOSTON, Apr. 30.
Roses, Niphotos, Gontier	1.00@2.00
" Perle, Sunset	2.00@3.00
" Mermet, Brides	4.00@8.00
" Hybrids	10.00@20.00
Carnations	1.00@2.00
" fancy	2.00@3.00
Violets	.40@.50
Daffodils	3.00
Tulps Poeticus	2.00@3.00
Longiflorum	1.00@2.00
Harrisll	1.00@2.00
Callas	2.00@3.00
Asstille, Mignonette Stock	1.00@2.00
Marguerites, Myosotis	.75@1.00
Pansies	.25@.50
English primroses, per dozen bunches	1.00
Adiantum	1.00
Smilax	25.00@30.00
Asparagus	50.00

	PHILADELPHIA, Apr. 30.
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" large teas	4.00@6.00
" extra select	8.00@10.00
" Beauties	10.00@25.00
" Brunners	10.00@30.00
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Carnations	.75@1.00
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Asparagus	35.00@50.00
Violets, double	.35@.50
Valley	3.00
Daffodils	3.00
Harrisll	5.00@6.00
Cattleyas	25.00@35.00
Sweet peas	1.00@1.50
Mignonette	1.10@2.10
Smilax	15.00@25.00

	CHICAGO, May 2.
Roses, Beauties	8.00@20.00
" Testout, Brides, Bridesmaid	3.00@4.00
" La France, Wootton, Mermet	3.00@4.00
" Perle, Niphotos, Gontier	2.00@3.00
" Good ordinary, per 1000	10.00@15.00
Carnations, common	.75@1.00
" fancy	1.50@2.00
Valley	3.00@4.00
Tulps	1.10@2.00
Daffodils	1.10@2.00
Dutch hyacinths	3.00@4.00
Harrisll, Callas	6.00@8.00
Violets, double	.75
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Smilax	15.00@20.00
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LILIUM CANDIDUM, ALLIUM NEAPOLITANUM, FREESIA REFRACTA ALBA, and a lot of other sorts for forcing.

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These novelties we consider of great value and permanent additions to the high class Cannas, they are the cream of twenty kinds chosen by M. Crozy from his entire stock of seedlings to represent his best achievements in Cannas up to 1893.

CHICAGO.—(Medal awarded) Positively the best vermilion scarlet to date; 4 feet, green foliage with leaves 9 to 10 inches wide, flower truss and stalk stands boldly erect. The large flowers open out nearly flat, petals 1½ inches wide and five in number—in this respect the **Chicago** fairly out-classes all Cannas, the fifth leaf adding much to the blossom and flower spike. Its record at the World's Fair, on our grounds and in our greenhouses more than justifies all our claims for it. The record of our Canna Novelties of the past seasons entitles us to your confidence. The color, in the language of the judges, is a "dazzling vermilion scarlet," smooth and without markings except a purplish gloss. Price of this grand novelty only 75c. each.

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J. C. Vaughan, best dark leaved variety in existence, flower as striking and distinct as Cabos.....	1.50 10.00	Sec'y Stewart75 6.00
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Now is the time to plant all the **Hardy** varieties of Pond Lilies and the Egyptian Lotus, the most stately of all aquatics and the easiest in cultivation. Plant also Japan Iris, Bamboo, Giant Reeds, Hardy Grasses, Perennials and sub-aquatic plants.

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MME. F. BERGMAN is the best early white to date. Rooted Cuttings, \$2.00 per 100; from 2½-inch pots, \$4.00 per 100.

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SMILAX, from 2½-inch pots, strong, \$2.50 per 100; \$20.00 per 1000. Send for Catalogue.

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Home Grown, own Roots, in 20 Leading Kinds.

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H. P. Roses, popular kinds, own roots and in 4 in. pots. Strong healthy stock, \$1.50 per doz.; \$10.00 per 100. Daisies, double, choice named varieties, 2.00

F. A. BALLER, Bloomington, Ill.

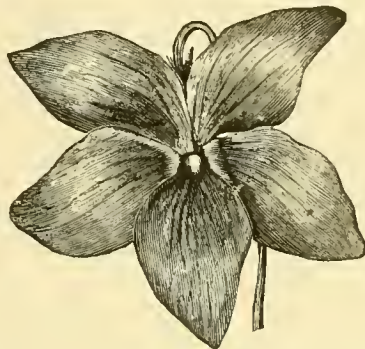
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Marie Louise.

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MAMMOTH NEW VIOLET.
FLORAL WONDER OF THE CENTURY.

Blooms cover a silver dollar; stems 12 to 14 inches long; color deep violet-purple (does not fade); fragrance intense; several hundred flowers from a single plant; blooms during seven months in the year. Price, \$10 per 100; \$70 per 1000. 500 at 1000 rate.

Prices on application for large quantities.

Pitcher & Manda Inc.,
SHORT HILLS, N. J.

100,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Fine pot plants, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

Rooted Cuttings or 2-inch pot plants.

SWAINSONA.

CHAS. W. REIMERS,

329 Fourth Avenue,

LOUISVILLE, KY.

FOR SALE.

BRIDESMAIDS and MERMETS, 2½-inch . \$3.00

VERBENAS, 2-in. stocky plants from frame 2.00

CARNATIONS, Daybreak and Tenderesse, 2½-inch, stocky plants from frames. . . . 4.00

COLEUS in variety, 2-inch 2.00

M. R. SAUNDERS, Aurora, Ill.

Pansy Plants.

EXTRA FINE STRAIN.

75 cents per hundred; \$5.00 per thousand.

ESSEX HEIGHTS FLORAL CO.,

..... BELLEVILLE, N. J.



New Catalogue (No. 4) containing over 1,000 Ornamental Cuts for Florist's use, such as envelopes, letter heads, bill-heads, cards, advers., floral designs, etc., at from 30c. and upwards. Price of Catalogue 25 cts. (deducted from \$1 order).

A. BLANC,
Engraver for Florists,
PHILADELPHIA, PA.

Mention the American Florist when writing to advertisers on this page.

Rochester, N. Y.

Small weddings have been the rule the past week and flowers are not in great demand; if it was not for a little funeral work retailers would not make expenses. A very dull week for the stores regarding cut flowers, but as most of them sell or take orders for all classes of early bedding plants, shrubbery, etc., they are doing fairly well after all. We usually had a goodly number of entertainments and fashionable weddings after Easter every year past, but this season the richer classes who use flowers extensively seem to prefer bachelorhood for a while longer. Buyers can make their own prices in job lots and when buying in quantity. Flowers of all description are plentiful and show the effect of warm weather. Roses are getting smaller, and carnations, if grown too warm, have not the lasting quality they had a few weeks ago. Violets are over-plenty.

The growers are busy planting out and potting, repotting and preparing for spring sales. The fine days we have had lately have enabled all to do considerable outdoor work and the backward spring is now almost forgotten. In several places carnations, etc. have been planted out, and all hardy stuff transplanted. Sweet peas are up here and there and second sowings are put in; if the fine weather continues for a week longer we will not feel the effects of the late spring, for with the extra help put on we are enabled to rush things through.

Our jolly Buffalo friend may consider himself very lucky in not having to combat with salted stock at Easter, and may not be far out of the way when he says that we are nearer to the salt producing districts than the windy city is, but I think it unfair on the part of those growers who use salt to send all their green stock to our brethren in the neighboring city and to let us have the pickled goods, and I would suggest to divide up in the future.

In last week's news I should have mentioned the assignment of White Bros. for the benefit of their creditors. The firm has been doing business here for the last 25 years and was generally believed to be financially sound.

J. B. K.

ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England, & Bruges, Belgium.

A. DIMMOCK, Agent, care Ricker's Auction Rooms, 105 and 108 Liberty Street, New York City. Send for illustrated catalogue.

COLEUS.

In assorted lots only.

A FINE COLLECTION; 40 KINDS, AT \$6.50 PER 1000.

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TRY DREER'S GARDEN SEEDS.

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.



GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice.

Try this set, you'll not regret. When you see the beauties blooming. And don't forget the best thing yet. They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents from 2 1/2-in. pots and flats. \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georganna, with the finest scarlets, purples, striped and intermediate shades. Double Petunias (Dreer's), 2 in., \$2.50; 3 in., \$4; 4 in., \$5 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vincas (Perrywinkle) from flats. \$2; 2 1/2-in., \$3; 3-in., very fine \$5 per hundred. Begonia Vernon, semperflorans, in three colors, the most satisfactory and profitable plant we ever handled, 2 1/2-in., \$2.50; 3-in., \$3.50 per hundred. New yellow daisy, Anthemis Thictoria (single), 2 1/2 in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats. \$2.50; 2 1/2 in., \$3.50 per hundred. Nasturtiums selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark, 2 1/2-in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2 1/2-in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2 1/2 and 3-in., \$4 per hundred. Calendula P. of Orange, scabiosa Snowball, sweet Alyssum, tall, double and dwarf single. Mignonette, Torenia floriart, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4-in. size, \$3; 6-in., \$5 per hundred. dormant roots: Eulalia plant stocks, the nearest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings very fine, \$1 per hundred; selected dwarf French yellow bedding cannas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. A dress cash with order please.

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PANSIES.

The Jennings strain of Large Flowering and Fancy Pansies in bud and bloom, ready April 1st. The Finest Strain is what every Florist wants. Plants grown in cold frames, firm and stocky, by express, per 100, \$2.00; \$15.00 per 1000. Small plants, prepaid by mail, 60 cents per hundred. All colors mixed.

E. B. JENNINGS,

Wholesale Pansy Grower.

Cash with order. Lock Box 254, SOUTHPORT, CONN.

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TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs, \$5. Sample FREE. Vaughan's Seed Store, Box 688, Chicago.

One of a Thousand

This flower looks attractive—multiply it by tooo and you will have a good idea of a bush of

ANDORRA'S LATEST INTRODUCTION

Hypericum Moseranum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. **Fine, Strong Plants, \$7.50 per Hundred.**

Hardy Trees, Shrubs, Plants, Roses, and Fruit. (Rhododendrons a Specialty.)

Andorra Nurseries, Wm. Warner Harper, Mgr. Chestnut Hill, Philadelphia, Pa.

"WIRLWIND."

The new hardy double white ANEMONE. Strong, field-grown roots. \$8.00 per 100.

CHRYSANTHEMUM

GEO. S. CONOVER, the best EARLY BLOOMING large yellow. Nothing like it on the market. Strong plants, \$6.00 per 100.

CARNATIONS.—Rooted Cuttings, \$10.00 to \$25.00 per 1000.

HYDRANGEA Red Branched, nice stock, 4-inch pots, \$8.00 per 100.

FRENCH CANNAS.—Large stock of the leading varieties.

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E. G. HILL & CO., Wholesale Florists RICHMOND, INDIANA.

EXTRA FINE REX BEGONIAS.

Strong plants, 2 1/2-inch pots, assorted, Per 100 \$14.00
Strong plants, 3 1/2-inch pots, assorted, Per 100 \$10.00
Also immense line of Roses Carnations and a general stock. Send for quotations.

THE NATIONAL PLANT CO., Dayton, Ohio.

CHRYSANTHEMUMS

Standard Commercial Varieties.

CHEAP.

HUNTSMAN & CO.,

247 Race Street, CINCINNATI, O.

WRITE FOR LIST.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no Rust. Also rooted runners Lady Campbell Violets.

Send for Price List.

Wm. Swayne,

P. O. Box 236, KENNETT SQUARE, PA.

THE NEW WHITE CARNATION

MRS. MAILANDER.

THE BEST ALL AROUND MARKET VARIETY.

We offer them, 2 1/2-inch pots, Per 100 Per 1000
Lizzie McGowan, rooted cuttings, \$8.00 \$50.00
Lizzie McGowan, 2 1/2 inch pots, 3.00 25.00
ROSES—Bridesmaids, 2 1/2 inch pots, 3.00 25.00
Brides, 2 1/2-inch pots, 3.00 25.00
Orders booked for delivery April 1. Terms cash with order.

OTTO MAILANDER, Niles Center, Ill.

AMPELOPSIS VEITCHII,

2 1/2-inch pots, \$3.00 per 100; \$25.00 per 1000
SWAINSONA, 2 1/2-inch pots, \$1.00 per 100
CYCLAMEN, dry roots, 5.00 per 100
A. L. BLACK, 415 E. Chase St., Baltimore, Md.

CHITTY'S NEW PRIZE CARNATIONS For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

CARNATIONS

Healthy well rooted cuttings of

	Per 100	Per 1000
Lizzie McGowan, Silver Spray, Puritan		
Grace Wilder	\$1.50	\$10.00
Daybreak	2.00	15.00
Portia, American Flag	1.50	10.00
Tidal Wave and Orange Blossom	2.00	15.00
DOUBLE PETUNIAS —Finest white and fringed varieties, \$1.50 per 100.		
CHRYSANTHEMUMS —Finest white, pink and yellow varieties, \$2.00 per 100.		
COLEUS —Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.		
Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order.		

JAMES HORAN & SON,
BRIDGEPORT, CONN.

THE COTTAGE GARDENS,
Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

20,000 WM. SCOTT

Rooted Cuttings ready for immediate delivery.

\$3.00 per 100; \$25.00 per 1000.

Cash with all orders.

DAILLEDOUZE BROS., Flatbush, N. Y.

LIZZIE MCGOWAN,
\$1.50 per 100; \$12.50 per 1000.

WM. SCOTT,
\$3.00 per 100; \$25.00 per 1000.

Guaranteed stock, well-rooted, free from disease, strong and stocky. Most popular Carnations on the market.

ALEX. McBRIDE, Alplaus, N. Y.

CARNATIONS.

	2-inch Sand	3-inch Pots.
Helen Keller, Ada Byron	\$4.50	\$6.00
Adelaide Kresken, Jacqueminot	4.50	6.00
McGowan, Portia, Wilder	1.50	2.50

LADY THOMPSON STRAWBERRY PLANTS, and others at low rates.

EDGEWOOD GREENHOUSES,
GLENSIDE, PENNA.

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Lizzie Gilbert	\$10.00	\$75.00	Bouton d Or	\$8.00	\$70.00
Helen Keller	5.00	40.00	Goldfinch	5.00	40.00
Sweetbrier	5.00	40.00	Jacqueminot	5.00	40.00
Luco	5.00	40.00	The Stuart	5.00	40.00
Ad. Byron	5.00	40.00	Annie Pixley	5.00	40.00
Uncle John	5.00	40.00	Buttercup	4.00	35.00
Wm. Scott	3.00	25.00	Mad. D. Albertini	3.00	25.00
Lulu	3.00	25.00	Hector	3.00	25.00
Daybreak	3.00	25.00	Nicholson	3.00	25.00
Mrs. Reynolds	3.00	25.00	Grace Battles	2.50	20.00
Lizzie McGowan	2.50	20.00	Portia	2.00	15.00
Silver Spray	2.00	15.00	White Dove	2.00	15.00

Our stock is in excellent condition. Inspection invited.

MONEY ORDER OFFICE,
STATION "H," Philadelphia.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

Garnation Plants.

IT IS GETTING LATE,

and why buy rooted cuttings when you can get strong plants from soil. They will all grow, and make better and stronger stock.

We can give you the much sought for WM. SCOTT, free, clear pink, for \$3.00 per 100; DAYBREAK, TIDAL WAVE, SILVER SPRAY, LIZZIE MCGOWAN, PORTIA, etc., at \$3 per 100; GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100.

Discount of 10 per cent on orders for 500 or more of a kind. All orders must be accompanied by cash. We can furnish the following new varieties of '95, mostly transplanted: Per 100 Per 1000

KOHINOOR, new white, large, free	\$12.00	\$100.00
ROSE QUEEN, new, fine pink variety	12.00	100.00
CORSAIR, the scarlet McGowan	10.00	75.00
ALASKA, large, white, free, new	10.00	75.00
LIZZIE GILBERT, brilliant scarlet	10.00	75.00
STORM KING, large, pure white	10.00	75.00
METEOR, large, bright crimson	10.00	75.00
BRIDESMAID, clear rich pink	10.00	75.00

GEO. HANCOCK & SON,
Grand Haven, Mich.

Mention American Florist.

Surplus Stock

CARNATIONS

For Sale.

THE STUART	900 @ 4c.
SPARTAN	150 @ 4c.
WM. SCOTT	900 @ 4c.
HELEN KELLER	500 @ 5c.
PORTIA	500 @ 4c.
GRACE WILDER	400 @ 4c.
UNGLE JOHN	1000 @ 5c.

J. A. MERRIFIELD, Assignee,
3425 Prairie Ave, CHICAGO.

SPECIALTIES

ALL IN THE BEST VARIETIES.

ROSES, CARNATIONS, CHRYSANTHEMUMS, VERBENAS.

Rooted Cuttings and Plants. Send for price list.
WOOD BROTHERS, FISHKILL, N. Y.

Chrysanthemums

AND

Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

COLEUS, ROOTED CUTTINGS.

Finest selection fancy-leaved, old and new, \$5.00 per 100. Reds and Yellows, \$6.00 per 100. Either, 75c. per 100, postpaid. Write for special bargains on fancy-leaved cuttings or plants.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

NEW CARNATIONS.

	per 100	per 1000
BRIDESMAID, bright clear pink	\$10.00	\$75.00
METEOR, deep brilliant crim. scarlet	10.00	75.00
STORM KING, snow white	10.00	75.00

Ready April 1st, 1895.

UNCLE JOHN, pure white	5.00	40.00
THE STUART, scarlet	5.00	40.00
E. A. WOOD, variegated	5.00	40.00
GOLDFINCH, yellow-edged pink	5.00	40.00
WM. SCOTT, pink	3.00	25.00
DIAZ ALBERTINI, pink	3.00	25.00
DAYBREAK, pink	3.00	25.00

NO RUST. GOOD STOCK.

New Chrysanthemums.

Certificate and special mention awarded to all.

E. M. Bigelow, deep reddish crimson; Mrs. S. T. Murdoch, light pink (an excellent variety); Oakland, clear shade of even terra cotta; Millbrook, bronze, salmon red; Elma O'Farrell, salmon rose (late). 50c. each, \$5.00 per doz., \$35.00 per 100.

MAJOR BONNAFFON, yellow—\$1.00 per doz., \$6.00 per 100. SEND FOR PRICE LIST.

FRED. DORNER & SON,
La Fayette, Ind.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now: per 100 per 1000

5,000 BUTTERCUP	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN	1.50	12.00
10,000 TIDAL WAVE	1.50	12.00
15,000 DAYBREAK	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY	1.25	10.00
15,000 AURORA	1.50	12.00
50,000 well rooted runners of LADY CAMP-BELL Violets	1.25	10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

CARNATIONS

McGowan in quantity. A few thousand each of Keller, Stuart and Dorner—others as I sold.

PANSIES, in bud and bloom, at \$1.75 per 100, or \$15.00 per 1000.

ALBERT M. HERR, L. B. 496, LANCASTER, PA.

CARNATIONS.

ROOTED CUTTINGS OF

KOHINOOR, PURPLE KING,

and many of the standard kinds.

Prices on application.

C. J. PENNOCK,

The Pines. **KENNETT SQUARE, Chester Co., PA.**

NEW AND TESTED

CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD,

ELLIS, NORFOLK Co., MASS.

PANSIES.

Fine stocky plants, excellent strain, \$2.00 per hundred

CUS. NOACK, Batavia, N. Y.

ALWAYS mention THE AMERICAN FLORIST when writing to advertisers.

News Notes.

ROCHESTER, N. Y.—Chas. A. Green has enlarged his nursery near Clifton by the purchase of 69 acres of Edwin Emens for \$7,000.

MT. AIRY, PHILA.—An enterprising florist here has converted a discarded horse car into a store for the sale of plants and flowers.

ROCHESTER, N. Y.—John E. White (White Bros.) made an assignment on April 19, with liabilities between \$8,000 and \$10,000.

GENEVA, N. Y.—On the night of April 22, burglars gained entrance to Sears, Henry & Co's. nursery office but were frightened away by the night watchman.

NEWPORT, R. I.—Mr. J. R. Johnson, gardener at Mr. Ogden Golet's estate, will read a paper before the Newport Horticultural Society at the May meeting.

BRIDGEPORT, CONN.—Chas. Pfomm of 453 Barnum avenue, was very badly injured on April 14, by being struck by an electric car. It was a narrow escape from death.

PEORIA, ILL.—The Park Commissioners have adopted their election ordinance and arrangements. The election will be held on May 21. At the caucuses there will be 249 delegates chosen, and a citizens' convention will be held on the following evening.

ALLENTOWN, PA.—Geo. B. Shelly has bought a half interest in the business of H. E. Kratz & Co., and the business will be considerably extended. The greenhouses at Rittersville will continue in charge of B. P. Wynings, the present incumbent.

LENOX, MASS.—The Lenox Horticultural Society will hold its first rose exhibition on June 26 and 27, at Sedgwick Hall. H. P. Wookey, G. W. Ferguson and Thos. Dooley are the committee of arrangements. Mr. Jacob Manning of Reading, Mass., gave a talk before the society on "The fruits and flowers of California" on April 13. On April 27 Mr. Martin Finaghty read a paper on "Hardy herbaceous plants suitable for planting in Berkshire county."

SAN FRANCISCO—The Governor having failed to sign the bill appropriating funds for the maintenance of the State Board of Horticulture, the board finds itself in an embarrassing position. At a meeting held April 17 resolutions were adopted urging the Governor to take proper action. The election of officers resulted as follows: Ellwood Cooper, president; L. W. Buck, vice-president; J. L. Mosher, auditor; Fred C. Miles, treasurer; B. M. Lelong, secretary; A. Craw, quarantine officer.

Arrived Per Steamer Rio de Janeiro via Frisco.

- Cycas Revoluta, long leaf variety..... \$50.00 per 100 lbs
 - Rhapis Flabelliformis and Humilis..... shoots up to 2 ft. 30c each, up to 4 ft., 40c each
 - Aspidistra, green..... 2c. per leaf stalk, imported: variegated, 3c. per leaf stalk
 - Japanese Fancy Maptas, named varieties..... .15c. each
 - Ophiopogon, variegated..... .10c. per clump
- MORE THAN HALF ORDERED.
- Due Cattleya Schroderae, the Immense pink orchid..... .75c. per break
 - " " Triana..... .50c. " "
 - " Lellias Anceps and Autumnalis, each a large plant..... \$30.00 per 100 clumps
 - " Dtoon Edute, extra handsome Cycad..... .15c. per lb.

Revised List. PALMS, Etc. All Cold and Slow Grown.

- Kentia Belmoreana, 2 1/2-in. pot, 8 inches high..... per 100, \$ 14.00
- " " Forsteriana, 3-in. pot, 13 to 15 inches high, very strong..... " 25.00
- " " " 4-in. pot, 18 to 20 inches high, heavy..... " 60.00
- " " " 5-in. pot, 30 inches high, decorative..... " 125.00
- " " " 7-in. pot, 36 inches high..... " 200.00
- Areca Lutescens, 3-in. pot, 13 to 16 inches high..... " 15.00
- " " " 4-in. pot, 20 inches high, 3 plants to the pot, fine..... " 50.00
- " " " 5-in. pot, 24 to 26 inches high, 3 plants to the pot, decorative..... " 60.00
- " " " 5-in. pot, 24 to 26 inches high, 1 plant to the pot, decorative..... " 50.00
- " " " 9-in. pot, 3 to 3 1/2 feet high, 3 plants to the pot, perfect..... " \$3.00 each
- Latania Borbonica, 2 1/2-in. pot, \$7.00 per 100; 3-in. pot, \$10.00 per 100; 4-in. pot, \$25.00 per 100; 5-in. pot, \$50.00 per 100; 6-in. pot, 2 feet high, 75c. each; 8-in. pot, 30 to 36 inches high, \$2.00 each.
- Seafortia Elegans, 3-in. pot, 10 to 12 inches high, \$15.00 per 100; 4-in. pot, 18 to 24 inches high, \$30.00 per 100; 5-in. pot, 25 to 30 inches high, 50c. each; 5-in. pot, 3 plants to a pot, \$40.00 per 100; 6-in. pot, 32 to 36 inches high, very heavy, \$1.00 each; 7-in. pot, 44 to 48 inches high, \$2.75 each; 8-in. pot, 55 to 60 inches high, \$3.50 each.
- Agave Striata (Bonaparte Juncea), Kattatt Agave, 4-in. pot..... .50c. each
- Sanseveira Zeylanica, 4-in. pot, very tall..... .20c. "
- Pitcher Plants (Nepenthes), with pitchers, all varieties..... \$2.10 "
- Pandanus Utilis..... 18 to 20 inches high, 75c. each; 20 to 24 inches high, 1.00 "
- " " Veitchii..... 4-in. pot, 12 to 15 inches high, \$ 9.00 per doz.
- " " " 5-in. pot, 16 to 18 inches high, 16.50 "
- " " " 6-in. pot, 22 to 24 inches high, 24.00 "
- Cocos Weddeliana..... 3-in. pots strong, \$25.00 per 100

Also on the lot of well established florists' orchids at about half price (all blooming plants) to make room, consisting of Cattleyas, Cyprpedlams, Dendrobiums, Odontoglossoma, etc.

SEND FOR LIST AND PRICES ON ANYTHING. 25 OF ANYTHING AT 100 RATES. Postively Cash or satisfactory reference in all cases with order.

VAN GELDER & CO., 17 Emory St., Jersey City, N. J.

The Best CHRYSANTHEMUMS Up to Date.

Strong healthy stock from 2-inch pots, guaranteed true to name. Write for prices on large quantities.

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|--------------------|--------------------|------------------------|
| \$5.00 per 100. | \$3.00 per 100. | \$2.50 per 100. |
| Achilles | Mrs. E. C. Hill. | Niveus. |
| A. H. Fewkes. | Mrs. Marie Louise. | Wm. H. Lincoln. |
| Laredo. | Emma. | The Queen. |
| Mal. Bonaffon. | Ermenida. | Kate Brown. |
| Mutual friend. | Chas. Davis. | Lillian Russell. |
| Malmalson. | Mlle. Therese Rey. | Pres. Wm. R. Smith. |
| Titlan. | Maud Dean. | Mrs. W. H. Phipps, Jr. |
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| \$3.00 per 100. | Guilforddill. | Harry May. |
| Eugene Dailedouze. | Harry Balsley. | Ada Spaulding. |
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| Lady Playfair. | W. N. RUDD. | Portia. |
| Mrs. J. Geo. Iis. | W. G. Newitt. | Louise Sievers. |
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| Pitcher & Manda. | Enselation. | Golden Ball. |
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Not less than 5 plants of a kind at the hundred rate. Write for price list.

WANTED.—Wm. Scott, Uncle John, Lizzie McGowan Carnations. Will exchange "Mums" for 1000 to 3000.

H. W. TURNER, Wholesale Florist, SHARON, PA.

CHEAP OFFER OF DAUDEY'S PRIZE BEGONIAS AND DAHLIAS.

Who want a beautiful collection of fine colored and large flowering Begonias, take a trial with Daudey's First-Class Begonias. Splendid bulbs, measuring 5 to 8 inches in circumference.

- SINGLE BEGONIAS—White, yellow, orange, bronze, scarlet, rose and cream..... per 100 \$ 4.00
- " " " Finest mixed..... " 3.70
- DOUBLE BEGONIAS—In splendid different colors..... per 1000 \$50.00, " 15.00
- " " " Finest mixed..... " 10.00
- DAHLIAS—Finest and largest strain in Holland. Awarded many Medals and First-Class Certificates. Cactus, large-flowering, dwarf and pompon, in newest and finest sorts..... " 10.00
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Please cash with order, or good references to a well-known Dutch firm.

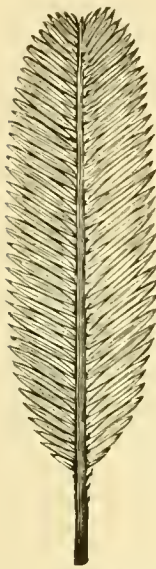
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- COLEUS, fine varieties. Per 100
- Rooted cuttings..... \$ 75
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- CALIFORNIA DAISIES..... 6 00
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- Heliotrope, Salvia, and other bedding plants.
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A GENERAL ASSORTMENT OF FRUIT TREE STOCKS SUCH AS APPLE, PEAR, MAHALES, CHERRY, PLUM, MAZZARD, SMALL TREES, ANGIERS QUINCE, FOREST TREES, ORNAMENTAL SHRUBS, ETC.
THE LARGEST STOCK OF THE COUNTRY. PRICES VERY LOW. PACKING SECURED. CATALOGUE FREE.
SOLE AGENTS FOR THE U.S. AND CANADA.
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HIGHEST AWARD AT
WORLD'S COLUMBIAN EXPOSITION
FOR SUPERIOR DESIGNING AND ENGRAVING
183 MONROE STREET
CHICAGO

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Cycas Leaves.

OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

40c, 45c, 50c, 60c, 75c and \$1 each.

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August Rölker & Sons,
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Our new Catalogue is now out, free upon application.

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FOR FLORISTS.

Largest and finest stock in the United States. Write for prices to

S. J. RUSSELL,

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Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
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FLOWER POTS
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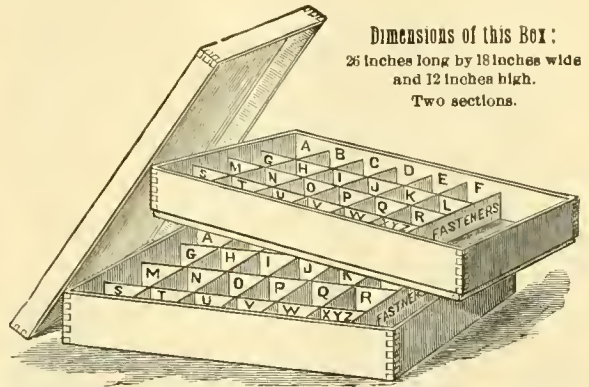
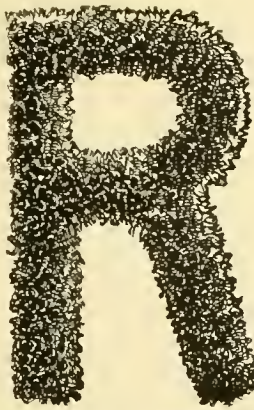
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FOSTITE, A PERFECT
REMEDY for
Mildew on Roses and Carnation Rust.

Joosten's Magazine Bellows, the best out.
Fostite, 25 lbs \$2.00. Bellows, \$3.50. Cash with order.
Sold by all dealers and by
C. H. JOOSTEN, 36 Dey Street, New York.

THE GREAT ANTIPEST.
For particulars, see next week.
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This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

BOSTON FLORIST LETTER CO.

Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

N. F. McCARTHY, Address 13 Green St.,
Treas. & Mangr. **Boston, Mass.**
Address all correspondence to 1 Music Hall Place.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers in Boston

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The Henry Phillips Seed and Implement Co., Toledo, O.
Walter A. Potter & Co., Providence, R. I.
J. C. Vaughan, 26 Barclay St., New York.



THE GREAT INSECTICIDE! Highest Award at the Convention of American Florists, 1894.

Used and unannouncedly endorsed by the foremost growers and highest authorities on Floriculture in America, as the most effective and convenient insect exterminator known.

No need of fumigation with Tobacco, making you sick with its stench, possible to use only indoors, and never to be depended upon.

No need of kerosene emulsions, tedious to prepare and useful in only a limited degree.

SULPHO-TOBACCO SOAP is a wholly simple to prepare and apply. Dissolve the soap in water and apply the solution as a spray or wash. Used the same way indoors and out. Absolutely positive, and wholly safe. Will not injure the tenderest plants.

Offered and exclusively recommended by leading members of the trade. A Can (enough for 3 gallons of the solution), postpaid, 30 cents; 4 Cans (enough for 12 gallons), \$1.10; 1 doz Cans (enough for 36 gallons), \$2.00 by express. Write for pamphlet

ROSE MANUFACTURING CO., Sole Mfrs under Letters Patent, Niagara Falls, N. Y., U. S. A.

"ROSE LEAF"
EXTRACT OF TOBACCO,
INSECTICIDE,
Death to Aphis, Red Spider, &c.
.....WRITE FOR PAMPHLET.....
- LOUISVILLE SPIRIT CURED TOBACCO CO., -
LOUISVILLE, KY., U. S. A.

FOR SALE BY
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Edw. Schmid, 712 12th St., N. W., Washington, D. C.
F. Macrae, 1138 Smith St., Providence, R. I.
E. H. Hunt, 68 Lake St., Chicago, Ill.
C. A. Kuehn, 1122 Pine St., St. Louis, Mo.
Wisconsin Flower Exchange, 48 Milwaukee St., Milwaukee, Wis.
Ellis & Pollworth, Milwaukee, Wis.
Mention American Florist

TOBACCO DUST \$250 PER BARREL
OF 195 POUNDS
ON CARS OR BOAT
NEW YORK.
SAMPLES MAILED FREE.
HASTOOTHOFF,
331 MADISON AVE. N.Y.C.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

SOLUBLE FIR-TREE OIL INSECTICIDE.
E. GRIFFITHS HUGHES
TRADE MARK
GATEAON ST.

Nothing Better for destroying all insects and parasites on plants, man or beast; not injurious to the skin, as many other poisonous preparations are. To be diluted with from 10 to 50 parts of soft water. Price, \$3.25 the gallon tin; \$1 the quart tin. For Retailing we put up small tins at 40c. less 25 per cent. trade discount.

Every Florist should keep this on sale. Sold by Seedsmen and the Mfr.'s Gen'l Agents.
AUGUST RÖLKER & SONS, New York, P. O. Station E.

LYSOL.
The Ideal Insecticide.
Send for Pamphlet, etc.
HERRMANN'S SEED STORE,
413 EAST 34TH STREET,
Near Long Island Ferry, **NEW YORK.**

Cleveland.

Harry S. Gordon, grandson of the late W. J. Gordon, who has been conducting greenhouses near Gordon Park, made an assignment on April 27 and turned over his business to M. W. Sanders, whose bond was fixed at \$4,000.

Outdoor flowers are becoming quite plentiful, with the early tulips, daffodils, hyacinths, magnolias, etc. in full flower, and valley and lilac in bud which will soon follow.

Cleveland is unfortunate in that it possesses several human buzzards who style themselves first-class florists. There have been several cases brought to the attention of the writer lately where a house of mourning has been entered by one of these unsavory birds following closely in the footsteps of death itself, in the hope that by "legitimate" soliciting(?) they might possibly get an order before it was placed elsewhere.

Is it any wonder that the "elevating" business—so called—gets into disrepute at times. We believe in getting all the business we can in a legitimate way, but we doubt if "crape chasing" comes under that head. L. F. D.

A Correction.

We are informed that the item alleging wrong doing on the part of Mr. F. S. Folwell of Lenox, Mass., which appeared in our Springfield notes, was based upon an unconfirmed rumor, and in the interests of justice would therefore ask our readers to give Mr. Folwell the benefit of the doubt, pending an investigation.

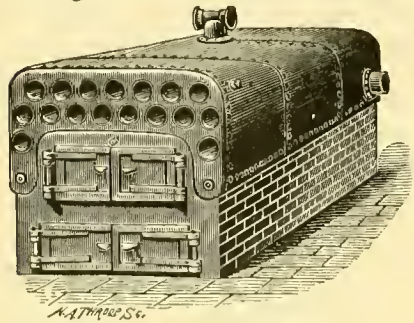
THE manufacturers have adopted a new scale of rates for glass, to take effect May 1, by which net prices on greenhouse glass will be advanced. It looks as if those intending to build this present season would do well to secure their glass at the earliest possible moment. A large dealer in greenhouse glass in commenting upon the almost universal demand for one size, 16x24, asserts that if every florist in the country is to insist on this size it will cost them from 50 cents to \$1 additional per box, as there are not factories enough in the country to supply such a demand.

ESTABLISHED 1854.

DEVINE'S BOILER WORKS.

THE FLAT TOP TYPE

Wrought Iron Hot Water Boilers.



Capacity from 350 to 10,000 feet of four-inch pipe. SEND FOR NEW LIST.

FRANK DAN BLISH, Att'y,

OFFICE, 69 DEARBORN ST.,

WORKS 56th & WALLACE STREETS,

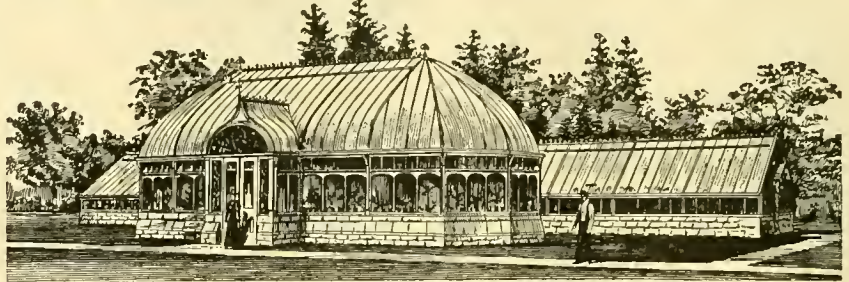
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LORD & BURNHAM CO., Horticultural Architects and Builders,

STEAM AND HOT WATER ENGINEERS.

Plans and estimates furnished on application.



Largest builders of Greenhouse Structures. Six highest Awards at World's Fair.

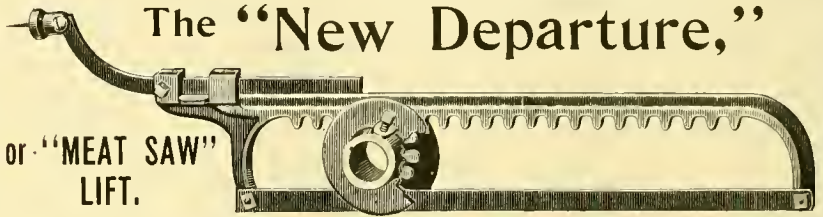
SEND FOUR CENTS POSTAGE FOR ILLUSTRATED CATALOGUE.

LORD & BURNHAM CO., Architectural Office, 160 Fifth Ave., New York City.

COR. TWENTY-FIRST ST.,

FACTORY: IRVINGTON-ON-HUDSON, N. Y.

SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?

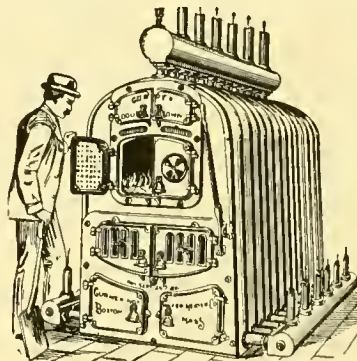


PRICE REDUCED TO SUIT HARD TIMES.

Will do the work quick, better, and COST LESS than any other appliance ever invented.

Address

J. D. CARMODY, Evansville, Ind.



Gurney Double Crown Hot Water Heater.

Gurney Hot Water Heaters AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

Send for Greenhouse Catalogues.

GURNEY HEATER MAN'FG CO.,

163 Franklin Street (Cor. Congress),

BOSTON, MASS.

Cut Flower BOXES

Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

Plant Stakes.

1/4, 5-16, 3/8, 1/2, 5/8, 3/4, and 7/8-inch square cut to lengths wanted.

When asking prices state sizes of boxes or stakes and quantity wanted.

Lockland Lumber Co.,

LOCKLAND, OHIO.



Iron Reservoir

VASES,

Lawn Settees

—AND—

CHAIRS

Are Manufactured by

McDONALD BROS., Columbus, O.

The largest manufacturers of these goods in the world. We issue a large 40-page illustrated catalogue, which will be sent free on application.



Kills Mildew and

Fungus Growth.

What does?

GRAPE DUST.

Sold by Seedsmen.

Red Spider Can't Live
WHERE THIS NOZZLE IS USED.



CHILD'S RAIN MAKER

Throws a powerful spray at such an angle that spraying the underside of the foliage is no effort at all. It is simplicity itself but "gets there" every time. It is well made of polished brass and will last a lifetime.

RICHMOND, IND., April 10, 1895.

MR. P. M. CHILD,

Dear Sir:—The nozzles to hand sometime ago; we are so much pleased with the way they work that we are glad to write you saying that they are more than satisfactory. They are just what is wanted for greenhouse work, as they enable us to reach the underside of the foliage with perfect ease, and with the full force of the water.

Sorry we did not have them sooner.

Yours truly, E. G. HILL & CO.

Price \$1.00 each, prepaid. Try one. You will find it the most useful and valuable appliance you have ever had.

P. M. CHILD & CO.,

6122 Oglesby Ave.,

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THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island.

Only 29 Kingstons in the U. S. Get the state straight.

"They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Asso., Ill.

"The most valuable labor saving invention I ever used."—C. E. WELD, Rosindale, Mass.

J. N. STRUCK & BRO.

Manufacturers of

• CYPRESS •

Greenhouse Material,
LOUISVILLE, KY.

PROTECTION FOR HOSE AT LAST.



For sale by all Seedsmen. No florist can do without it. Cheap, practicable and indestructible.
35 cts. each, or \$3.50 per dozen.

MANUFACTURED BY CHAS. SCHUCK,
2457 North 8th St., PHILA., PA.

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What Growers Say!
A Different Letter Every Week

DETROIT, Mich., April 3, 1895.

LOCKLAND LUMBER CO., Lockland, Ohio.

Gentlemen:—The material for my new greenhouses arrived today in good condition, and the lumber was satisfactory. If ever in need of more you will receive my further orders.

Yours truly,

THEO. MICHEL.

Green-House Material.

The finest **CLEAR CYPRESS** used.

For circulars and estimates ADDRESS

LOCKLAND LUMBER CO.

LOCKLAND, O.

THE "TABASCO" WATER HEATER.

ALL STEEL. SELF-FEEDER.

— FOR —

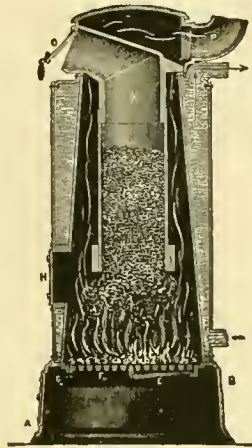
GREENHOUSES, CONSERVATORIES

And all places requiring hot water for HEATING AND GENERAL USE.

KEWANEE BOILER COMPANY

96 Lake Street, CHICAGO.

KEWANEE, ILL.



Attention Florists!

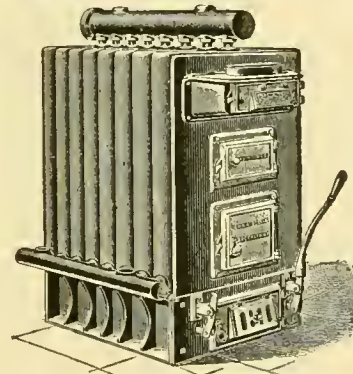
It will be to your advantage to look into the merits of the SCOLLAY "INVINCIBLE" HOT WATER BOILER.

It is all that its name implies and don't forget it. Cuts and full information mailed on application.

JOHN A. SCOLLAY,

89 & 91 Center St.,
NEW YORK.

74 & 76 Myrtle Ave.,
BROOKLYN, N. Y.



D. H. ROBERTS,

132 and 134 S. Fifth Avenue,

NEW YORK,

NATURAL GAS MADE GLASS,

FOR ROSE HOUSES, CONSERVATORIES, ETC., ETC.



Pat. 1882, '85, '86, '88, '90, '91.

FOR WATER, AIR, STEAM, ACIDS, OILS, LIQUORS, GAS, SUCTION,

And for any and every purpose for which a hose can be applied.

Sizes, 1/2-Inch to 42 inches diameter.

The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our

Patents. The rights secured to us render each individual dealer or user responsible for such unlawful use with all the consequences thereof. For prices and discounts address WATERBURY RUBBER CO., Sole Mfrs and Owners of all the Sphincter Grip Armored Hose Patents, 49 Warren Street, New York
J. C. VAUGHAN, Agent. CHICAGO.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

Kerosene as an Insecticide.

Prof. Howard Evarts Weed, of the Mississippi Agricultural Experiment Station, Agricultural College, Miss., has been experimenting with kerosene as an insecticide, and has devised an apparatus for diluting the kerosene at the time of spraying so that any strength may be used as desired. Prof. Weed finds that 1 part kerosene to 19 parts water is about the right proportion for use in the greenhouse, and advises that if a proportion stronger than 1 part kerosene to 15 of water be used, it be first tried on a few plants and result first noted before proceeding. Prof. Weed's experiments were mainly in exterminating aphides, but as every florist prevents the appearance of this insect in his greenhouses by regular fumigation he does not need kerosene as an exterminator. Still in dealing with other insect pests the kerosene may be made useful, especially in exterminating mealy bug, as it is undoubtedly the most effective of the insecticides which kill by external contact. The knapsack pump devised by Prof. Weed is however, not needed by the florist. The simple hose attachment manufactured by the Hose Connection Co., Kingston, R. I., would accomplish the same result with much less effort.

If any one has a lot of coleus infested with mealy bug we would suggest that he experiment with the kerosene in the proportion of 1 part to 19 parts of water and report results to us. In using even this solution we would advise that the spraying be moderate in amount each time, but repeated every other day until an effect is noted. If the first spraying results in injury to the foliage reduce the proportion of kerosene. An insecticide that will kill mealy bug without injuring such tender foliage as that of the coleus will be heartily welcomed.

Greenhouse Building.

- Brooklyn, N. Y., Mrs. Ehrhardt, Waverly avenue, three houses.
- Waterbury, Conn., Otto Roesky, one commercial house.
- Farmington, Conn., Hugh Chesney, one commercial house.
- Millbury, Mass., Wm. Darling, Hamilton avenue, a range of commercial houses.
- Cromwell, Conn., A. N. Pierson, a range of commercial houses.
- Meriden, Conn., Wm. Doolittle, one house.
- Illion, N. Y., Hakes & Son, one commercial house.
- Brewer, Me., John R. Morrill, one commercial house, 25x100.

CHEAPER THAN GLASS for cold frame sash is "FENSTER PAPPE;" comes in rolls of about 110 yards long, full 36 inches wide; will last for seasons when prepared as directed. The most useful article wherever shading is required. An original roll costs only \$10 cash. If you wish to see more of it before ordering, send one dollar for a trial roll of 8 yards to

August Rölker & Sons, New York.
P. O. Station E.

GLASS

which is absolutely perfect for modern greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates. Satisfaction Guaranteed.

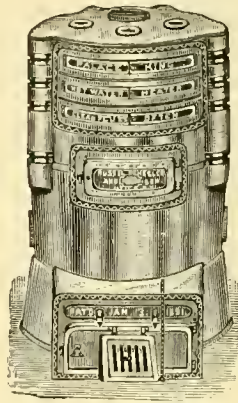
REED GLASS CO.,

102 South 5th Avenue, NEW YORK CITY.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

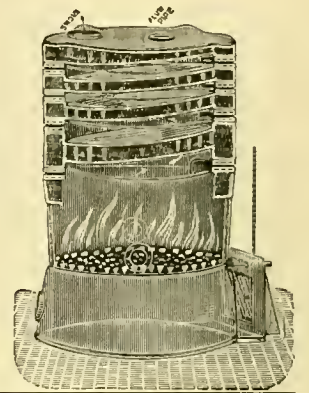
PALACE KING HOT WATER BOILERS

ESPECIALLY DESIGNED FOR GREENHOUSE HEATING.



WRITE US.

Russel Wheeler and Son,
Utica, N. Y.



THE ORIGINATORS OF THE STANDARD FLOWER POTS.

Our capacity now is **12,000,000**

STANDARD FLOWER POTS PER YEAR.

A Full line of Bulb Pans.

The Whilldin Pottery Company,

Send for Price List. BRANCH WAREHOUSES: 713 to 719 Wharton Street, PHILADELPHIA, PA.
Randolph Ave. and Union St., Jersey City, N. J.
Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO. OFFICE: 403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS.

FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address

PITTSBURGH CLAY MFG. CO., New Brighton, Pa.

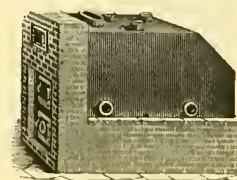
Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY.

We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere.

CAMBRIDGE TILE MFG. CO., Covington, Ky.



Mention American Florist.

GREEN-HOUSE HEATING. MYERS & CO.

1518 & 1520 S. 9th St. PHILADELPHIA.

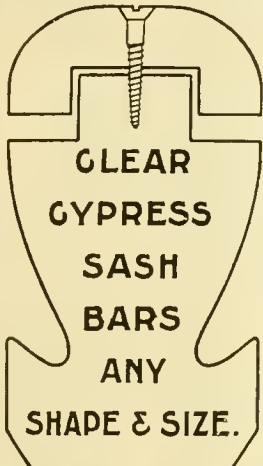
Send for catalogue and price list.

Geo. H. CHANDLEE. H. C. CHANDLEE.

PATENTS
Trade-Marks, Caveats, Etc.
CHANDLEE & CHANDLEE,
Patents and Patent Causes.

ELECTRICAL AND MECHANICAL EXPERTS.
Polack Building, Atlantic Building,
YORK, PA. WASHINGTON, D. C.

Greenhouse

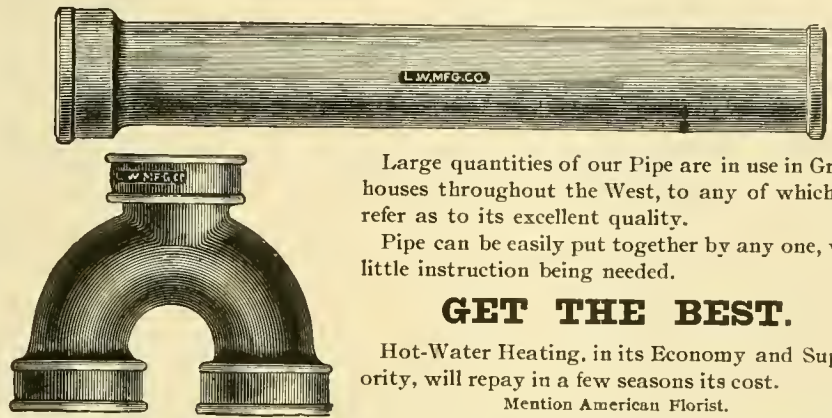


MATERIAL

GLEAR
CYPRESS
SASH
BARS
ANY
SHAPE & SIZE.

JOHN G. MONINGER, CO.
MANUFACTURERS
307 HAWTHORNE AVE., CHICAGO, ILL.

Greenhouse Pipe and Fittings.



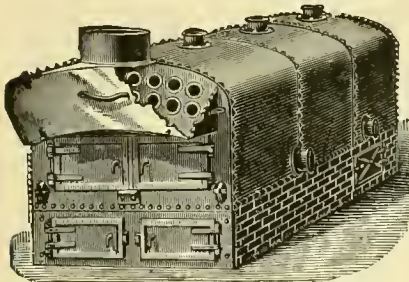
Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.
Pipe can be easily put together by any one, very little instruction being needed.

GET THE BEST.

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.
Mention American Florist.

L. WOLFF MFG. CO., 93 to 117 W. Lake Street, CHICAGO.
WRITE FOR ILLUSTRATED CIRCULAR.

Kroeschell Bros. Co.
IMPROVED
Greenhouse Boiler,
41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

H. M. HOOKER COMPANY,
57 and 59 W. Randolph Street, CHICAGO.
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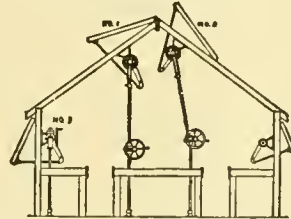
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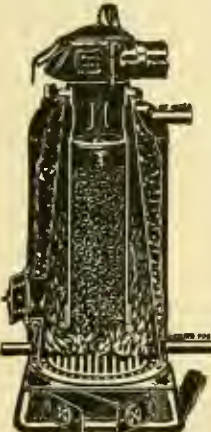


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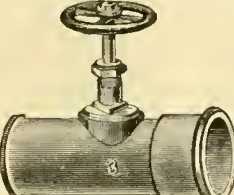
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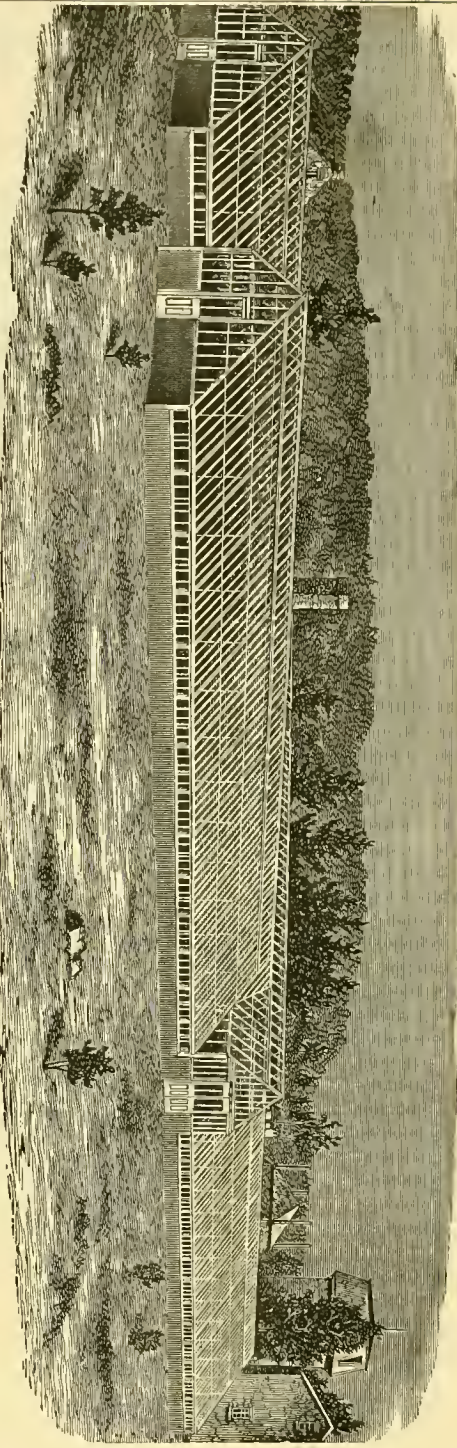
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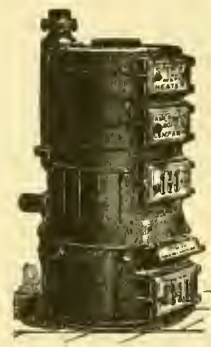
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Vol. X.

CHICAGO AND NEW YORK, MAY 11, 1895.

No. 362

THE AMERICAN FLORIST

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THE NEW YORK State Legislature has appropriated \$16,000 to be expended for the promotion of horticulture, the treatment of plant diseases and destruction of insect pests in the fifth judicial department. This department includes the counties of Cayuga, Seneca, Wayne, Ontario, Yates, Steuben, Monroe, Livingston, Allegany, Orleans, Genesee, Wyoming, Cattaraugus, Niagara, Erie and Chautauqua. Communications should be addressed to Prof. L. H. Bailey, Cornell University, Ithaca, N. Y.

BLOOMS of the giant strain of verbenas were recently received from John F. Rupp, Shiremanstown, Pa. The trusses were large and compact, and must make a showy appearance in the bed.



Orchids for May.

A good many years ago growers were a good deal interested in the question of outdoor exposure for orchids. The late Isaac Buchanan, James Taplin and others did something in this way, in fact Mr. Buchanan turned out the greater number of his American kinds. I did a good deal myself in this line at one time, and kept systematic records for each species, which however, are scarcely worth going through for the florist. It will suffice to say that the most useful result of outdoor exposure is the ripening effect of the free air for such kinds as complete their growth early enough to benefit by it. This is particularly true in dry seasons and with East Indian kinds. Some very queer things happen, however, for instance *Arides crispum* grows in the full blaze of the sun when wild, but it will not stand our sun well at all. The same may be said of *Vanda cœrulea*, it gets considerable exposure on the older gordonia trees upon which it often grows, yet here it is quite sensitive to sun. Many of the dendrobes, all in fact that I have tried, are benefited by a dry month or six weeks in the sun outdoors, after their bulbs are built up. I have grown them outside with abundant water, from July onwards, but without any special advantage other than a saving of labor. Simple arrangements were made to accommodate them. So far as South American kinds are concerned, it does not seem to benefit them, except in the case of those kinds which are given to "rot" in humid and extreme weather.

Some odontoglossums and oncidiums are susceptible in this way, and the best and fattest bulbs are sure to be the ones affected. Such plants are almost absolutely safe beneath a tree; out of more than 150 species tried I never lost but one bulb, from a plant of *Oncidium sarcodes* which had been placed out but a day previously. Perhaps "bacteria" or something was on to it when it went out. What in the world causes the vile smell of those rotting bulbs, turnips are not a circumstance to them. Some of the experiment stations ought to nose the thing out. Of course it is common enough for decaying vegetables to smell, but this comes on so suddenly and emphatically, I'll bet there's a new "bacteria" at the bottom of it. But it is certain that the dryer outside air checks it, whatever it is.

I ought to add that the scientist who undertakes an investigation will need to be on the jump, for the whole in'ards of

the pseudo-bulbs melts away in just no time!

I placed the winter growing odontoglossums and some few other "cool" orchids outside one season as early as the 15th of May, but usually from the end of May onwards to August, and as growth nears completion, is the time to receive whatever benefit there may be in outside exposure. The root action is commonly checked, but several summer orchids will flower well outdoors.

The ærides in a good many varieties bloom during May. *Arides crispum* and its varieties are not very commonly seen; it is to my mind one of the most delightfully fragrant of all flowers. It grows naturally in moderately cool temperatures, say roughly from 60° to 70°, but it is always perched on the southern face of bare black rocks, which retain great heat, so that although there is frost all around at night during December to February yet the plants never suffer, but become so purpled in foliage and hard looking that they would drive a hothouse man crazy if they took on such ways with him. One of the fallacies in cultivating these plants is the idea that they must be kept moist always; the truth is there are but few orchids which will stand so much drying, providing they have plenty of roots, which go far towards acting as storage reservoirs. *A. odoratum* in several varieties will bloom during the month, and so also will those mentioned in April, further north.

The various types of *Cypripedium barbatum* are in full force now, and *C. hirsutissimum*, though less commonly grown, is one of the best and most striking among them. *Dendrobium Dearii* is a good white flower for May, not as large as *D. formosum*, but with other compensations. *D. transparens* and *D. moschatum* also flower, and help to make things interesting. *Saccolabium Blumei* in some varieties also flowers at this season.

Thunia alba is an orchid which is more neglected than it should be. I believe it would be as useful for a florist as any orchid other than *cypripedium* or *cattleya*, if properly attended to. It grows from March to September in moss, or moss and fibre, and should be kept quite dry during the winter season, it won't shrivel if the canes are strong. *Thunias* produce lots of young pseudo-bulbs from the tops of the old canes, in the way of some dendrobiums, and for cutting they are really good. They should be potted early in March, and then the young ones can be separated and cared for.

Nobody seems to grow brassias, but they are quite as good as many *cypripediums*, and the flowering is more abundant. *Cattleya Mendellii* and *C. Mossii* continue during May. *Odontoglossum citrosimum*, *O. pulchellum majus* and *O. Roezii alba* are three good white May

flowers. *Oncidium Lanceanum* also is usually at its best.

Trenton, N. J. JAMES MACPHERSON.

Orchids Now Blooming.

Maxillaria Sanderiana, a truly noble plant, is now in bloom with us, I believe for the first time in this section. It must be grown in a basket. I think, for the flower buds will push downward in the potting material and come out either on the side or bottom, like a *stanhoepa*. I mention this because all the plants I have seen in collections so far were grown in pots like other *maxillarias*, and my plant when received came also in a pot, but in hunting for a slug which had left its marks on the leaves I turned out the plant and found decayed matter, which looked very much like an old inflorescence, and therefore we substituted a basket for the pot, leaving the old potting material undisturbed. The complaint that *M. Sanderiana* is a shy bloomer does not hold good, for no flower spike can possibly force its way through a flower pot, and consequently will have to perish unseen. This *maxillaria* will flourish in the temperature of a *cattleya* house, and after completing its growth wants a decided rest in a cooler place. Even if the bulbs should shrivel a little bit, no watering hardly is necessary, only an occasional syringing until toward spring, when gradually more moisture should be administered to induce the plant to push, first the flower spikes and soon after the new growths for the following year's blooming. It is of very robust growth and habit, having long stiff evergreen leaves 8-10 inches long, produced singly on flat compressed pseudo-bulbs. The flowers are 8 inches across, of an ivory white, the base of the petals tinged and veined with a bright purplish crimson, as also is the reverse side of the petals, and the underside of the lip, the inside of the lip being pale yellow with a few crimson veins in the throat. In texture the whole flower is very firm and thick, almost may be called fleshy, and the lasting quality is unsurpassed by any other orchid.

Cœlogyne Massangeana we have also in flower again; it is a native of Assam, and one of the large, vigorous, evergreen species, requiring a good size basket or pan. The bulbs are pyriform and bear two plicate leaves 15 to 18 inches long, of a dark shiny green. The flower spikes spring from the base of the bulb and are long and drooping; as many as twenty or more blooms are loosely arranged along the flower stem, which is from 1½ to 2 feet long. The sepals and petals are of a very light ochre yellow, the lip is triparted, beautiful maroon brown with yellow veins, the middle lobe white at the edge with a brown disk. A very handsome species, and it does not require a very warm house, doing better in ordinary greenhouse temperature. When not in bloom we set the pans or pots on the benches where a more even moisture may be supplied, but as soon as flower scapes begin to show, which generally occurs twice a year, we hang them up again, to give the long drooping racemes a chance to develop.

Cœlogyne Dayana grandiflora is a very desirable and free blooming species, a native of Borneo. The long pointed pseudo-bulbs are 4 to 8 inches high in healthy specimens; the leaves long and narrow, erect, and spring from the top of the bulbs. The pendulous spikes will appear with the young growths in April or May. At Mr. Kimball's a large plant with 8 spikes, bearing from 18 to 30

flowers on each raceme, is in beautiful condition. The sepals and petals are of a pleasing light yellowish ochre with dark brown stripes on the lateral lobes of the lip. A very showy species, which lasts well. Pot or basket culture suits equally well, but if grown in pots should be hung up when growth begins until past flowering.

Cœlogyne ocellata maxima, from India, is another fine species; in bloom now at the same place. The bloom is also produced on long drooping racemes, the individual flowers are much larger than in the above mentioned species, but not so numerous on the spike. The color is pure white with a large yellow blotch on each lobe of the lip and a few purple stripes in the throat, very sweet scented and lasts in perfection for a long time. The bulbs are 2-3 inches high, and bear twin leaves, like the others. Basket culture with but little moss and fiber and abundance of drainage suits it best. All these orchids are very desirable for private collections and will also be found valuable in commercial places on account of their free blooming quality.

Rochester, N. Y. J. B. KELLER.



Lime Stone Soil for Roses.

Is limestone soil good for roses; it is of a clay nature. What kind of roses will do best in it, teas or hybrid teas? T. R.

Replying to T. R.: I have tried soil collected from a limestone strata and found roses do fairly well in the same, and if your correspondent's soil can be collected from the surface, say three or four inches deep only, I do not think he will find any difficulty in growing good roses in it. The best proof of the quality of the soil is to observe how grass or grain crops grow in it; if the above will grow well in the soil with a fairly liberal application of manure there is no doubt that roses will. I have never yet seen a soil that will grow good grass or grain that failed to grow roses when properly treated. The best manure for such soil, particularly if of a light nature, is cow manure, and if it can be procured from a stable where the cattle are grain-fed so much the better.

JOHN N. MAY.

Rose Leaves Turning Pale.

We have a house of Bride and Bridesmaid roses, planted last summer (in July), which grew very nicely until about the middle of January, when the leaves and new shoots began to assume a pinkish yellow, and to shrivel up and fall off. Have tried the usual way of reviving for over watering but have failed. Soil was fresh rotted sod and pure bone meal as fertilizer. Probably some of your readers can give us some advice. C. J. T.

Replying to your correspondent C. J. T., from the description given I should say that his roses are undoubtedly affected with club root. If he will dig up a diseased plant carefully and wash the dirt

clean off the roots I think he will find a lot of small lumps on the roots, many of them not larger than a pin's head. These if dissected and put under a magnifying power of 250 diameters will be found to contain lots of eel worms, such as have often been described in these columns. This pest is greatly on the increase in all sections of the country, and so far science has failed to give us any remedy even for prevention, much less a cure. The only remedy so far found is to steam the soil before using it, and this to be effectual must be heated to at least 235°, 245° is much safer. At this last figure every nematode in the soil, whether in egg or fully developed form, must die. It is a remarkable fact that the lower the order of animal life the more heat it takes to destroy it. In all our experiments here, covering several years, we have found that the common earth or argle worm dies as soon as the temperature of the soil reaches 150°; wire worms take 10° to 15° more, and many of the smaller insects take still a little more, while the eel worm which is one of the smallest and of the lowest order of animal life, takes over 230°. By this we can readily see the difficulty of exterminating this pest. We have consulted every known authority on this subject, and find they all agree with the above temperatures for killing them. Some years ago we erected a large apparatus to steam every particle of soil we use on the place for growing all kinds of stock in, and found after many trials what is stated above. I am fully aware how difficult this matter would be to very many of the craft, and the man who can invent the right kind of an apparatus for such a purpose, without making it too expensive, will find lots of customers in the near future, unless the present indications are very misleading.

JOHN N. MAY.

Cucumbers Under Glass.

The accompanying illustration shows one of Mr. Geo. Miller's cucumber houses at Hinsdale, Ill. The variety grown is Rollison's Telegraph. These cucumbers average 16 inches in length, though some are very much larger, and are produced in great profusion, as the picture shows. The cucumber seed is sown in small pots (2-inch) and from these planted into the bed. The plants are set 2 feet apart, the earliest house being planted about the first week in December, the last house a month later. The plants are in bearing 8 to 10 weeks after planting. The soil is a compost formed of one-half good clay loam and one-half cow manure. When the beds are filled the soil is drawn up into slightly raised hills two feet apart. But one plant is allowed to a hill, and as soon as it is about 18 inches long pinching is resorted to. Pinching must be regularly attended to, or there is too great a growth of vine. The variety grown sets fruit without fertilizing, but the flowers must be hand-fertilized if seed is wanted. Shading must be applied as early as February, or the vines will scorch. The temperature should never go below 65°, and should be kept as near 70° as possible. In spite of the rich soil the plants will need more food, and should have liquid manure in various forms at least twice a week.

Botanical Gardens.

It is one hundred and sixty-two years ago since General Oglethorpe landed at Savannah and built a town. It has been forgotten that he was the first on this continent to establish a botanical garden.



MR. MILLER'S HOUSE OF CUCUMBERS.

Among many other useful plants he introduced the tea plant. This is the primary conception of a botanical station entertained by our British cousins—usefulness.

However much Oglethorpe's garden may have done for the south, in the first years of its existence, the times became too troublous for its permanency; such gardens are emphatically works of peace.

A full century and a quarter passed before the faintest idea occurred to the people that anything had been lost, and it is doubtful even to-day if any sound comprehensive idea of the province and use of botanical stations obtains among Americans.

In their economic features, then, they are dedicated to the presentation of living object lessons in useful plants, and as nearly as may be of the climates they naturally inhabit.

It is quite conceivable that they are prime factors in the prevention of waste. That they point the way to the truth in the cultivation and climatology of such products as the cocoanut, pineapple, banana, sugar cane, orange and tea plant is evident.

There can be no doubt whatever but much loss might often be avoided if well ordered gardens, managed by gardeners conversant with botanical geography and climatology, were accessible to the people. The mere fact that the pineapple is grown in the tropical hothouse and the orange in a sub-tropical one, ought to

lead any one to avoid planting them where it severely freezes.

But these gardens, when complete, in their handy presentation of species, ought to be as useful for what they exclude as for what they grow. It is not, in my opinion, "scientific" to include species requiring temporary protection during winter, because such species do much to impress many with an untruth during the summer. Whatever protection is afforded should be manifest at all seasons. Even such plants as are removed from the hothouses should be distinguished by the color of their labels, and the geographical distribution should at all times be indicated.

In the vicinity of colleges and schools the systematic arrangements should be the most modern in sequence, simple in comprehensiveness, and beautiful in grouping.

The oil has never been very well fed to the lamps of botanical science. The demonstrations have been lit by wicks of paper, which have merely sputtered and gone out, leaving but little other than the dry ashes of a memory.

Ask those of your medical friends, who are supposed to know such things, to give you a description of the bases of many of their drugs; ask them even to give a synopsis of modern classification, and you will probably be surprised if not pained. I doubt if they were ever taught much classification, yet without it the human mind is utterly unable to grasp

such a science as botany, with many more than 100,000 species and innumerable varieties of flowering plants alone.

How important the object lessons of the botanical garden may be made, and how these objects and many others may be united into a beautiful and harmonious garden, at a cost which is surprisingly low, has probably never occurred to the people who control such matters. Parks, or parts of parks, may as well be wooded as arboreta as not, and nearly as cheaply. A specimen of each of the trees and shrubs hardy in the middle states may be had at retail rates for one thousand dollars, and the duplication of varieties may be carried to any extent, almost, at proportionate rates. Ground may be had at almost any desired price, according to locality.

Such gardens or arboreta should be uniform in their sequence all over the country. The *Genera Plantarum* of Bentham and Hooker is the recognized Bible of botany, and the professors who depart from its authority should be frowned down. They only make confusion worse confounded.

A landscape gardener who has a knowledge of classification is the proper person to arrange such gardens. It is a fallacy to suppose that architects, or professors of native herbaria, can have knowledge of park or garden grouping. It is a fact that all the professors of all the world have left very much indeed to be desired in the best and most popular of the bo-

tanical gardens. It is no unusual thing for a young gardener to impotently travel from one end of a large garden to the other to find a representation of a genus, order or class.

Trenton, N. J. JAMES MACPHERSON.

Flowering Shrubs at Washington.

Notwithstanding the very severe winter through which we have just passed the shrubbery in the parks has never been better supplied with bloom. *Magnolia Halleana* put forth an unusual amount of bloom, though a week or ten days earlier than usual. *Magnolia conspicua* had an abundance of flowers and was not caught by frost, which is a very unusual thing in this latitude; in fact all the early flowering magnolias met with no frost to mar their beauty. Forsythias were exceptionally fine this spring, and attracted the attention of the many visitors who come to Washington at this season; their abundance of bright yellow flowers could be seen for squares, there being no foliage to obstruct the view. *Spiraea Reevesi* and *S. prunifolia* fl. pl. were remarkably fine. *Jasminum nudiflorum* did not flower so freely this spring as usual, nor did any of the many plants of cydonias do justice to themselves. Both of the above named are the first things in the parks to show signs of approaching spring, but for some unknown cause both flowered very sparingly this season.

Cercis japonica deserves mention, for it has been very attractive among the shrubbery this season; quite a number of the plants about the parks were so thickly beset with flowers as to entirely hide the branches. It puts forth leaf after flowering and its foliage is attractive owing to its odd shape. Thrives well in any good soil.

Exochorda grandiflora is flowering unusually early; it is now in full bloom, while in former seasons we have had it to cut from Memorial Day. It is a very handsome hardy shrub, producing an abundance of white flowers. The structure of its fruit would attract the attention of a close observer of such things as being remarkable; it consists of five small compressed bony carpels adhering round a central axis in a star-like manner. Thrives in good loam and is propagated from seeds or layers. The plants about Washington do not seed freely.

Caragana grandiflora is a very ornamental hardy shrub, and is quite attractive just now, when its thin branches are a mass of yellow pea-shaped flowers, with just enough young foliage to add to its beauty. The flowers are much larger and more attractive than the other varieties, the center of the flowers being shaded into brown. It is well adapted to shrubberies, and is of easy culture in light sandy soil, and may be easily increased from cutting made from its roots, or by seed.

Syringa persica laciniata is one of the most attractive of all the shrubs now in flower in the parks; it is one mass of bloom and its finely cut leaves add much to its beauty, and even after its flower has gone the foliage would recommend it to one interested in plants. It is worthy of a place in every collection, no matter how small. It thrives in light rich soil and is easily propagated from cuttings made from ripe wood in the fall.

Staphylea Bumalda, while quite an old plant, being introduced in 1812, is nevertheless one of the best shrubs to be had for a large place, and to get the best effect should be planted by itself. At present it is one of the most striking shrubs in

flower. The plants about the parks are at present covered with bunches of white fragrant flowers. It attains a height of about 15 feet, thriving in ordinary soil. Propagation may be effected in autumn by cuttings of ripened wood. *Staphylea* is a small genus of about five species of hardy shrubs. Some of them are excellent for forcing when specially prepared for that purpose. *S. Bumalda* is a good one for forcing, but whether it would take is a question. It should be used more extensively in the decoration of our parks, and deserves a place in every collection.

Washington, May 7. REYNOLDS.

Aralia Chabrierii.

I want to call attention to this most graceful plant for decorative purposes; as a small specimen it may be used to advantage in table decorations, larger ones will be admired as specimens standing singly or in a group. As it is one of the newer varieties it has been too expensive to be used largely, but now European catalogues offer good plants at a very moderate figure, and we can therefore well afford to use them in decoration. This *Aralia* does not grow very rapidly, but retains its long linear leaves at the lower part of the plants in perfect health, and the old leaflets do not drop off until they are two or three years old. We have a few old plants on the place about five feet high or more, one of them being represented in center of the illustration, and although they are used every season twenty or thirty times for decorations, and have been so used for the last six or seven years, these plants are still in perfect shape, and without a blemish; I merely mention this to show that they are not like so many decorative plants, which at best you can only use for a season and then, being beyond recovery and worthless, must be thrown out. I consider *Aralia Chabrierii* to be superior to *A. gracillima*, which has the same general aspect, for unlike the latter variety it does not get bare at the bottom, because if the old leaflets drop, new ones are formed continuously to take their place, and the plant is always well furnished to the base. The leaves are of a deep shiny green, very narrow, about ten inches long with a dark crimson midrib. The growth is very symmetrically arranged all around the straight erect stem, and the whole habit is very graceful.

This species is usually classed with stove or hot house plants, but we found it to do better in ordinary greenhouse heat in winter and entirely out doors in summer; they grow more compact and sturdy and are not likely to draw as they may do in a warm house, especially if a little crowded. It is not a plant that requires any nursing at any time, the only thing it wants is plenty of water at all seasons. In this respect it is like all the aralias, they all require great quantities of water at the roots, and therefore in repotting the soil should be rammed in firmly about the roots; ordinary loam with one-third well rotted cow manure and a sprinkling of sand will do admirably for them. They do not require extra large pots, and this is an advantage in table, as well as in other decorations.

Propagation is best performed by cuttings in August of the half ripened wood; it has been said that only top cuttings from the central leader should be used, but we find that the side branches, even if cut in several lengths, will in a short time produce leaders, and we can not see any difference after the plants attain the height of ten or twelve inches. The side branch cuttings are just as perfect in

shape as the leader or top cuttings. We insert the cuttings in sand in a pot or pan, and place in a shaded frame without any bottom heat, and it takes them eight or ten weeks to root.

J. B. KELLER.

Rochester, N. Y.

The Variegated Cut Worm.

ED. AM. FLORIST:—I send you a worm that has caused sad havoc in my greenhouses. They hide in the soil in the daytime and come out at night. They eat almost everything, being particularly destructive to carnations, eating into the bud so that when it opens the petals fall. Can you tell me what it is and what remedy to apply? We have tried everything we know, but they thrive on all we have tried as yet. WALTER P. STOKES.

We referred the matter to Prof. L. O. Howard, Government Entomologist, who replies as follows:

"The insect is the variegated cut worm (*Agrotis saucia*) and the best remedy is to saturate the soil about the affected plants with kerosene emulsion diluted 15 times and washed down by subsequent waterings. All earth to be used in a greenhouse should be prepared before hand by allowing it to stand for a number of months without any vegetation growing upon it. If put in shortly after being dug it is liable to contain numbers of young cut worms."

Decoration for a Class Banquet.

ED. AM. FLORIST:—Will you give me a few suggestions regarding decorations for a high school banquet? Two tables will be used, covers being laid for 15 at each table. Class colors lavender and cream, and green and white. H. F. H.

Several things would suggest themselves to us as suitable and appropriate for such a decoration. In the first place there is the iris, which probably can be had at the date you mentioned (about June 1). Of these there is a pretty lavender variety that would match one class color nicely, and a light yellow or cream sort of this same species would probably answer for the other. The term "cream" color is, however, very vague. There are light and dark cream shades of various tints, and it is therefore difficult to say just what variety of flower would best match that shade of cream you have in mind. The same is true also as to lavender. Sweet peas of the variety known as Butterfly would be a good thing to use. A combination of these with, let us say *Mme. Hoste* or pale *Perle* roses would be good. It doesn't matter so much to have the flowers just the exact shade of the ribbon (we assume that you will use the class ribbons in connection with your decoration) but the two, ribbons and flowers must harmonize.

For the white and green table we would say that white roses either by themselves or in combination with white sweet peas would be good; for green we can use a variety of stuff, *adiantum* or ferns in variety, or even the common wood ferns will answer if the decoration is to be inexpensive. Of course we need not confine ourselves to the above mentioned variety; there are other white flowers quite suitable; we must be guided somewhat by what the market may afford at the time.

As to arrangement, this will somewhat depend on the shape of the table. We shall assume these to be oblong and square at the ends. This being a banquet we need not necessarily adhere to the rules laid down for dinner table decora-



ARALIA CHABRIERII.

tions, that is to keep the arrangement entirely either below or above the vision across the table. Flowers in vases of moderate height are not only admissible but desirable, especially if we use the iris, which shows up much better in a vase than in a low flat arrangement. Sweet peas on the other hand should be placed either in a low glass bowl or arranged in a suitable sized plateau. Roses arranged loosely, either in rose bowls or cut glass vases, will give better satisfaction than in any other way. The weather is likely to be warm and the flowers will last better.

For an oblong table to seat 15 or 16 persons the arrangement had best be made to consist of a small centerpiece and one at each end of the table. We might place a low arrangement in the center and the taller vases at each end, or vice versa; this is a matter of taste, only we should confine ourselves to one variety of flower for each. If favors are used these might be tied with the class ribbon. The flowers of these should be of the same varieties as those used in the other decorations. The cost of the material outside of the ribbons should be quite moderate at that season of the year, and could be furnished probably, if simple, for \$5 per table at a profit. Of course we must be guided as regards cost by the price we bargain for.

THE American Association of Nurserymen will hold its annual meeting at Indianapolis, Ind., June 12 and 13 next. A rate of a fare and a third for the round trip has been secured from the railroads. Full details may be had from the secretary, Mr. Geo. Seager, Rochester, N. Y.

Boston.

The Gardeners' and Florists' Club enjoyed a rare treat in the address of Mr. Henry O'Meara on the "Poetry of flowers" on the evening of May 7. Prefacing his remarks by the proposition that the consideration of flowers might be taken up under two general heads, those of utility and estheticism, the latter being on the plane of poetry and sentiment, he proceeded to tell of the inspiring effect of flowers in religious, political and domestic life, and likened the gardener and florist to a bridge which connects the realms of drudgery and prosy tilling of the soil with those of congenial fancy and aspiration. The practical grower, he said, is steadily reaching out from the useful to the esthetic application, and the poetical dreamer twining in to them the tributes of his fancy and sympathy. Flowers, he said, pay their tribute to every phase of human life, enlisting their beautiful ministrations of cheer, of solace and of sad memorial. The flowers have furnished the poets of all time with inspiration and beautiful smiles, and have been likened by them to the stars and the rainbow, and have spoken to them of the resurrection, and the poets in turn have done much responsively for the flowers, and unlike the botanist or the chemist, their mission has been to impart instead of to destroy life. The last rose of summer has with the vivifying fancy of the poet been made to live in memory and emotion more vitally than whole banks of gaudy bloom. Mr. O'Meara illustrated his points with quotations from Holmes, Horace Smith, Moore, Mary Howitt, Leigh Hunt, Robert Buchanan, Keats, Milton, Mrs. Her-

mans and Burns, the latter being beyond all the poets in his opinion in delicacy of feeling and the ability to weave flower thought into beautiful poetic expression. The symbolism of national flowers, the beauty of the wild flowers, the influence of the flowers of childhood and home, were all beautifully illustrated, and the speaker made a strong plea for simplicity in the naming of flowers, and denounced double naming, misrepresentation, the application of grotesque, unmeaning or conflicting names, and everything calculated to mislead flower buyers, a sentiment which was quickly applauded by the audience. The subject of special forms of verse as applicable to special flowers was treated in a novel and interesting manner, and the speaker illustrated his meaning by quotations from several of his own original compositions. A collection of dried flowers and leaves prepared half a century ago, mementoes of many mountains, lakes and castles, localities famous in poetry and history, was passed around and examined with great interest by the audience.

Jackson Dawson spoke of the sentiment attaching to the flowers associated with one's childhood, and told how in many cases old settlements may be identified and the origin of the settlers made known by the flowers found growing in such places. The national flower, he said, was not always necessarily the best loved, and he would like to see a Scotchman who did not love the heather better than the thistle.

Kenneth Finlayson applauded Mr. O'Meara's remarks regarding duplication and improper names, and was followed by M. H. Norton, who told how much the Society of American Florist had accomplished in this direction. Lawrence Cotter came next with apt quotations from Wordsworth and Goldsmith, but like the lecturer, gave the palm to Burns. An impromptu rhyme by Warren Ewell brought the discussion to a close, and a vote of thanks was extended to Mr. O'Meara, after which he was unanimously elected an honorary member of the club.

Mr. Chas. J. Dawson was elected secretary in place of Mr. Walsh who resigned from that position, and a vote was passed providing for a strawberry festival and concert to take place in June. A dish of superb pansies was contributed by Mr. M. H. Walsh of Woods Holl, and a vote of thanks was tendered him by the club.

The May exhibition of the Massachusetts Horticultural Society, which was held on Saturday, 4th inst., brought out a rich display of pelargoniums, Indian azaleas and calceolarias from Mr. N. T. Kidder, John L. Gardner, Dr. C. G. Weld and others. A fine collection of orchids and Cape plants was staged by John L. Gardner. J. S. Fay's pansies were pronounced the finest ever shown here. Gloxinias from E. S. Converse, narcissi from the Bussey Institute, and native plants and flowers from a number of contributors were also among the attractions.

Very extensive planting has been done at the Arnold Arboretum. Mr. Dawson estimates that he has planted nearly forty thousand shrubs this season already, and he is still at it. The work was seriously delayed by the late spring. Work on the new boulevard which is to connect the Arnold Arboretum with Franklin Park is to be pushed vigorously. Anthony McLaren of Forest Hills, whose greenhouse stands in the way of this improvement, has been notified to vacate at once. Mr. Dawson's son George Walter, who is in-

structor in architectural drawing at the University of Pennsylvania, will sail for Italy May 18, where he will spend several months in study.

Lawrence Cotter has made a rich strike in two houses of *Astilbe japonica*. The late season will make this a profitable flower to have for Decoration Day. The clumps were frozen solid until Easter, and planted in the bench in a frozen condition the moment the Easter lilies were finished. The growth which they commenced to make at once was something remarkable. Mr. Cotter's stock of young Brides and Bridesmaids for next season's planting is in splendid condition.

Mr. E. B. Clapp makes a specialty of pot geraniums for the auction trade every spring. Two new houses completed last season by Lord & Burnham are filled with a very handsome stock. Mr. Clapp grows but one single geranium, *Athlete*. He regards *La Favorite* as a better double white than *White Swan*, and first of all bright varieties he places *S. A. Nutt*.

Mr. John Walsh is about to retire from his position as superintendent of the Cut Flower Exchange.

Twombly has opened a branch store at Clark's Hotel.

Chicago.

It is an undeniable fact that the glut is with us; the wholesalers are buried beneath the accumulation of flowers, and they seem inclined to think that the waste-barrel is their best customer. Naturally the unusually warm weather, more like July than May, has brought out stuff very rapidly, and it is in many lines poorer in quality than last week. Roses are generally soft, and suffer in color too. Some of the finest Beauties still hold up to \$3 a dozen, but half that is the price for excellent stock—in fact 1.50 may be called the prevailing price for good stock, and from this it scales down to 1.50 a hundred. Other roses are quoted at 1.50 to 3 per 100 for selected stock, but they are bought in larger lots for 10 per 1000, first quality, and from that down to 6 per 1000.

Carnations share the general tumble, and are extremely plentiful, with few buyers. General stock is 50 cents per 100; selected fancies range from 1 to 1.50. Daybreak suffers from the heat, like all the rest, and many are rather bleached out. Violets are pretty well at an end, and the few coming in are very small and faded. Sweet peas have taken a drop; they are very plentiful, and bring 10 to 35 cents a 100. About the only thing which has not dropped in price is *Harrisii* lilies, which hold at 8, though, like everything else, they go very slowly.

As for outdoor stock, it is swamping the market. There is an ocean of lilac, overflowing every dealer's counters; it is down to 10 cents a bunch. Bulb stock is another drug; poet's narcissus is piled up everywhere; tulips are slackening a little. Very good outdoor valley is seen; it goes at 50 cents a hundred. Ferns are now plentiful; in fact there is no lack of anything except buyers.

Reinberg Bros. have enlarged their space to double its former size, and now have a very light and commodious place, with ample counter room.

Geo. Piegras has moved over to 59 Wabash, so we now have three wholesalers on the same floor. Geo. Klehm has space now in Kennicott Bros.; our wholesalers appear to be concentrating in one locality.

E. Wienhoeber & Co. arranged a very handsome buffet table decoration this week, the occasion being a ball given by

Miss Pullman at the family residence, Prairie avenue and 18th street. The arrangement was quite novel, and consisted of an elaborate centerpiece. The main feature was a large ball composed of Bridesmaid roses. The ball, about 30 inches in diameter, was raised some 8 inches from the level of the table, resting on a circular bed of *adiantum*. A fine specimen plant of *Areca lutescens* formed the apex of the design. The ball being open at the top the pot of the plant was placed inside it, giving the palm the appearance of growing in this ball of roses. Among the leaves of the palm tiny electric lights were placed, giving a beautiful effect. The table, a square one, had masses of Bridesmaid roses at each of the four corners, which drooped in graceful sprays to the floor. Ribbons to match the color of the roses were draped in loops and bows around the table with charming effect. About 1000 roses of the best quality to be obtained in our market were used in this decoration, which as a whole was one of the most elegant and tasteful ever seen here.

Mr. H. A. Bunyard is now staying a week with an old schoolmate in Marquette, Mich. From there he will go to Cleveland, O. He will take up his work again about June 1.

Philadelphia.

The weather has been quite warm the past week, and its effect on cut flowers, particularly on the large roses, is very noticeable. The hustlers have a hard time of it these days; it's no joke to lug eight and ten boxes filled with flowers and weighing anywhere from thirty to fifty pounds, up one street and down another. It's bad enough when the weather is cool, but now that the warm days have come and business is dull and "we don't want anything" is the greeting, the load seems to get heavier instead of lighter with every stop. However a few more weeks will settle the business, and then will come the long rest, at least the trudging days will be over except possibly to get that "little" bill.

Everything is plentiful and most of the stock is good; *La France* roses are now getting fine and this variety will soon be the leading pink. *Brunners* and *Laings* are almost done, the most of the stock offered being second crop. Carnations are to be had in any quantity, and the quality is still fair; 1.50 per hundred is now about the top figure, while 1 will buy very good flowers. Sweet peas are very plentiful, the price ranging from 50 cents to 1 per hundred. All the bulbous stock is done. Valley is equal to the demand at 3 per hundred; violets are done.

Some very good pæonies and snowball was received from Herbert Pennock of Gordonsville, North Carolina, and large quantities of southern lilac have been seen, some white from Mr. Cook of Baltimore being very fine. Lilac is in flower about here now and great quantities of it is to be seen on all the prominent streets; it is mostly handled by colored people who sell a good sized bunch for 5 cents. Prices of roses are for the larger teas 4 to 6, smaller kinds 2 to 3. Hybrids and Beauties 2 to 3 per dozen.

The Florists' Club meeting last Tuesday evening was held at Dumlér's, Broad and Locust, and was well attended. Mr. Westcott not having had time to prepare his paper on "the most profitable summer crop," it was postponed until the next meeting. Mr. Westcott has been very busy lately superintending the moving of the alleys and other club room furnishings; these are all now moved and stored at

his place, awaiting the building of the new hall. In lieu of Mr. Westcott's paper a general discussion about bedding plants took place. Mr. Huebner, who has charge of the bedding of the Philadelphia & Reading Railroad system, spoke of his system of planting, and said he found it a great benefit to mulch the beds after being planted and watered. He used short manure for this purpose. He especially recommended cannas, particularly the new varieties. Crotons he thought also made a good bed, as they required so little care and generally did well.

Mr. Taplin believed mulching to be a good thing where water was scarce, and thought grass clippings a good material. Roht. Craig thought that all beds should be as near level as possible, as when raised in the center they dried out so quickly; it was a good plan to raise the edges of the bed and sod them, and make the top of the bed level or depressed towards the center.

Mr. Harris spoke well of crotons, which he regarded as the coming bedding plant, and said that he had seen a very pretty bed made of ficus, with a border of *Pandanus Veitchii*. Mr. Westcott recommended *acalyphas*, *strobilanthes* and *Sanchezia nobilis* as among the best bedding plants that had not been mentioned by others; he also thought crotons to be among the leaders. Mr. Taplin spoke of the latitude where crotons would grow, saying that they did not do well as far south or west as St. Louis. Mr. Craig said that they did very well along the Hudson, and that a bed in the Exposition grounds at Chicago had been a great success; he thought they were a plant that would stand the full sun, but must not suffer for water. He said that some growers in Europe were giving their entire attention to the croton, raising new varieties and improving the stock all they could.

Mr. Mitchell spoke of *Oxalis tropæoloides* making a good border plant, but others objected to it on account of its free seeding qualities, it coming up year after year when it was not wanted. Mr. Smith recommended yuccas and aloes as making fine beds when planted together and edged with *echeverias*. Cactus was also recommended. Mr. Westcott made an appeal to his fellow members to turn in and help the Horticultural Society, as it needed all the help it could get, and he wanted everyone to do all they could the coming season to make the show a success.

Mr. Shelmire sent a bunch of his new carnation *Eldorado*; it is a fine flower, 3 inches and over in diameter, a little lighter in color than *Buttercup*, which it resembles. The room committee were directed to get a meeting room for the present use of the club.

Emma Chambers, a step-daughter of Robert Buist Sr., and known to many of the craft who graduated from his place, died last week, and was buried in Mount Peace cemetery. K.

Washington.

The past week has been one of incessant rain, which interfered considerably with the flower trade, and especially with bedding stuff, as quite a number of people had begun to fix up their gardens for the summer. Some of the stores, which had orders ahead, for weddings mostly, were fairly busy, but transient trade was dull. Weddings have been numerous in the past two weeks, and some of the decorations have been the richest of the season, many orchids, *bougainvillea* and the finest hybrid roses being used, notably at the

weddings of Miss Leiter and Miss Murphy, the daughter of Senator Murphy.

Flowers of all varieties are in great profusion. It is a little early to predict what the spring sale of plants will be, but most of the growers have a good supply of fine healthy stock, and are looking forward to a good trade, though they expect lower prices. REYNOLDS.

St. Paul, Minn.

From the conflicting Easter reports from this city the brethren in other parts of the country must think that trade here is badly demoralized and that ruinous competition has about forced the florists to the wall. I wish to correct any such impressions. St. Paul may not be as lively a florist center as Chicago, New York or Boston, and prices may not average as high the year round. Notwithstanding that, however, the yearly output is increasing, newer and better houses are constantly being erected, and the trade as a whole is prosperous.

Cut flowers are abundant and of good quality. The warm weather is beginning to have some effect on the Beauties, Brides and Testout, but the quality remains nearly up to the standard, while La France, Bridesmaid, Meteor, Albany and Kaiserin seem to revel in the bright sunshine. Carnations that have been cared for are producing magnificent blooms. L. L. May & Co., have a house of Daybreak that would be hard to beat, stems long and stiff and flowers of unusual size. The demand for cut flowers has been good. While no large orders have been noted the aggregate in sales has been quite as large as any week since Christmas—Easter of course excepted.

Retail prices have dropped to the following: Am. Beauty \$3 per dozen; Bride, Testout, Meteor, Bridesmaid, \$1.50; Perle, Niphotos, Hoste, Gontier, \$1 per dozen. Carnations, common, 25 to 35 cents per dozen; Daybreak, 50 cents; valley, daffodils, narcissus, gladiolus, 50 cents; sweet peas 25 to 35 cents; asparagus 30 cents per string.

In the plant line sales have not been as large as one would expect from the faultless weather which we are enjoying. At the city market a great many plants are being offered at very low prices. While this tends to hurt trade the quality of the plants offered oftentimes makes them dear at any price. But little bedding out or planting has been done yet. At Como Park planting is just beginning and the finest display yet seen is promised for the coming summer.

E. F. Lemke has already commenced building operations, intending to erect several fine houses this season. This is another evidence of a prosperous season and we are glad to note it.

Callers have been John Speelman, of Sassenheim; M. Keur, of Lisse; J. S. Van Waveren, of Hillegom; F. Berry of Stillwater; all report good sales. FELIX.

Rochester, N. Y.

Continued dry weather for weeks past has put a stop to planting out. Nurserymen as well as florists are waiting patiently for a good rain. We have not had any rain here worth mentioning since spring opened, and as the thermometer keeps away up in the eighties we cannot risk planting out anything. Tulips, hyacinths, daffodils and all early spring flowers are about past, even magnolias are burned and dried up, they only lasted a few days, and such cheap outdoor flowers as these will be rather scarce perhaps in

this neighborhood for the next few weeks. However, there is an abundance of good indoor stuff at rather low prices; roses and carnations in particular are in good supply.

The store business has improved some since last week, but is not up to the average of past seasons yet.

The Buffalonians have invited the Rochester florists to a friendly game of ten pins next week and a host of Rochester boys will accept the kindly worded invitation, expecting as usual a good old time in the windy city, even if they should get beaten by their friends. J. B. K.



THOMAS F. MARTIN

OBITUARY.

DIED, at Floral Park, Long Island, Sunday, May 5, Thomas F. Martin, in the 28th year of his age. A widow, Maggie Thorpe Martin (daughter of John Thorpe), and three bright little children survive him. A more conscientious, painstaking, faithful, competent, industrious and unassuming man I never knew, and I have known him from a child. If he had one fault, foible or weakness I can honestly say I never knew it. Knowing the full and far reaching meaning of these words I think all who ever knew him will bear me out in the assertion.

E. V. H.

Worcester, Mass.

Trade recovered unexpectedly last week, and was fairly brisk in both cut flowers and plants; a fair amount of funeral work helped greatly to keep things lively. The quantity of stuff coming in was augmented by the addition of field grown narcissus, tulips and hyacinths, and though more or less goes in the dump the surplus is not of an alarming nature. Carnations are still of good size and stiff stem, and of course they are blooming freely; prices are still 50 and 75 cents per dozen retail, though the department store is down to 23 cents. Roses are running a little undersized, and consequently prices have dropped slightly; the supply of violets and valley has had a temporary falling off, but things are pretty well evened up, as the demand has let up too. Lange has a splendid house of pink and white stock in bloom.

The marriage of Mr. C. W. Wenck (for many years in charge of the bulb department at H. F. A. Lange's plant) and Miss Margaret Braeme is announced to take place May 22.

Mr. Butterworth, with Power of South Framingham, and Harry Troy, representing Pitcher & Manda, were among last week's visitors.

The weather is very hot and we need rain very badly. A. H. L.

Baltimore.

Cut flowers are not at all scarce, and all inducements in low prices fail to make them scarcer. Very good buds are to be had at three cents, Perles, La France, Brides, etc. Choice ones are hard to get at any price, most being off in color, size and foliage, one or all. Outdoor valley is plentiful at 65 cents per hundred; lilac blooms five cents a bunch of eight to twelve clusters. Carnations one to two cents. Harrisii lilies three to five cents.

Plants are going somewhat better, coleus seeming rather scarcer than usual, and prices being about up to previous years for same quality of plants.

Mr. Charles Hamilton has sold his place at Waverly to Mr. G. V. Smith.

Mr. C. A. Sullivan has opened a very attractive retail store at 1405 North Charles street, called "The Bryn Mawr," probably after the young ladies' seminary of that name established by Miss Mary Garrett. MACK.

St. Louis.

The park commissioner has at last been appointed after a good hard fight. F. L. Ridgley is the successful man.

The Columbia Club was not very successful in trying to get up a handsome decoration in the way of a flower show. They offered only \$75 as premiums. If they had offered \$400 or \$500 they might have had a few entries. The club finally came to the conclusion that it would have to pay the florist for the decoration.

Mrs. Dangler will open a flower store May 15 at the southeast corner of Mississippi and Park avenue.

C. A. Kuehn is receiving a fine lot of gladiolus.

W. Ellison is receiving some very fine Beauties from R. F. Tesson.

The Florist Club has at last succeeded in getting a hall in which to hold night meetings instead of day. The first night meeting was held Tuesday, April 30, which was very well attended.

A. Y. E.

Decorations at Washington.

At the recent marriage of Miss Leiter the decorations were of very great beauty. The halls were decorated with great branches of apple and cherry blossoms, while small magnolia trees in bloom stood in the corners and niches. In the window ledges and along the marble railings were all sorts of spring bulbs, tulips, hyacinths, etc. In the Empire drawing room the onyx mantel was banked with maiden-hair fern and pink orchids. Beneath a life size portrait of the bride was a mound of forget-me-nots. In the dining room the walls were covered with bougainvillea, the table being decorated with pink orchids. The wedding cake was set in a wreath of lily of the valley, surrounded by a larger wreath of orchids.

Advertising for the Retailer.

My greenhouses presenting a very attractive appearance the week before Easter I had printed a neat invitation to call and view the "Easter Floral Exhibit" which was sent to my list of possible customers. It was a very successful adv.

Fredericton, N. B. A. M. SCHLEYER.



IDLIS OF THE POTTING SHED

Jaggs as a Benedict.

Work was over for the day and the men were seated back of the potting shed, enjoying well earned ease. Jaggs threw aside the paper he was reading, with an impatient exclamation, remarking "Here's another bloomin' guy writin' somethink he don't know. Talkin' about the gazelle-eyed houris of Persia—I s'pose he seen 'em on the Midway. I reckon I could tell him a thing or two, seeln' as I married one o' they houris when I was livin' in the Shah's palace at Teheran."

"I s'pose you was a welcome guest o' most o' the crowned 'eads of Europe and Hasia, Jaggs, old boy," remarked one of his audience with a grin.

"This is straight," asserted Jaggs. "They sent me out from Low's as head gardener to His Imperial Highness Nas'r-el-Deen, Shah of Persia, and I had rooms in the palace, and a precious scaly old barracks it was too. Nothink much to do, either, except to try and make the other chaps work, which they wouldn't, as a general thing. They'd sit around and tell lies, and smoke, and eat all sorts o' sweet stuff—sugar and tallow mostly—and drink pink lemonade; you couldn't get a drop of Bass nor nothink decent in the whole bloomin' town. I used to get precious lonesome of an evenin', after I'd got my own tea, and set out on a mouldy old balcony with nothink to do except smoke. There was an old rascal in a sheepskin jacket that was a sort of a boss o' the water carriers; he got a way o' sittin' with me of an evenin'. He'd sympathize with me and tell me I might be took sick and die, and how hard it was to be alone in a strange country, till he reg'lar broke me all up; then he ask me one night why I didn't get married. I tell him as I didn't know a lady that was willin', and he say he could arrange that, he knew a lovely creature, a Persian houri, that would just suit me. I asked if she could cook, and he say there wasn't nothink she couldn't do, and I'd never be lonely when she was around. Come to find out, the old rascal was talking about his own daughter, Faideh-ghul, and though he wasn't what you might call my ideal of a father-in-law I took a notion to marry the houri and settle down to domestic bliss. Courtin' in Persia aint what it is in this country; you don't get a word with the lady, and the old man makes all the arrangements, and he don't give the bride away, neither; you has to pay for her. Well, the old man he say she was such a pearl o' loveliness that all the wealth of Solomon wasn't equal to her value, but I finally beat down the old rascal to three pound ten, with a pair o'

Brummagem sleeve buttons thrown in. Well, we went before the cad and had the marriage all done up reg'lar, in the Persian style, and Mrs. Faideh-ghul Jaggs, she settles down in command. The old man was right—I never feel lonesome when *she* was around," and Jaggs sighed deeply.

"Well, what was the houri like?" inquired one of the audience.

"She was about 35 years old, which in Persia is old enough for a grandmother," said Jaggs with another sigh, "and as far as beauty goes she was uncommonly like one o' they sign-posts you see stuck up in an Indian village."

There was a general laugh at the description of the bride's attractions, and Jaggs continued, mournfully, "I didn't find no fault with that—I aint what you might call an Adonis myself—but it was the aggravatin'ness of her disposition that queered me. That woman could jaw at the top of her voice for two hours at a stretch without takin' breath, and as I couldn't understand half what she said and only knew that she was cussin' me and all my relations from generation to generation, it was enough to make Job turn rusty. I tries all sorts o' moral suasion, and then one night I throws a plate at her. She up with a pot o' hot coffee and throws it all over me, then she screams till a lot o' the servants come runnin' in, and she say I was murderin' her, so first thing I know I was bundled into jail. There I stay till the old man helps me out, and I pays him four pound seven and sixpence to get a divorce. I never see Faideh again, but I hear as she eloped with one o' the water carriers. I always had a grudge again that chap for stealin' my tootn brush, but I feel I was more than even with him when he eloped with my wife."

"What was the Persians like?" inquired one of the audience.

"Oh, they was mostly a lot o' lazy beggars that didn't never wash themselves and spends most o' their time under the mulberry trees watchin' the silk-worms and ticklin' of 'em to make 'em spin," said Jaggs. "The bloomin' Orient is all very well on the Midway, but blessed if I want to live there, not if they'd give me the whole bloomin' outfit."

The Flyin Dutchman.

This here flyin Dutchman aint that one what old man Wagner rote about. That feller wuz a saler, he wuz, and he wuz a tryin ter get round a caip but the wind wuz agin him an he got on his ere and swear he wuz agoin to dubble that caip or kno why and that's jist whair hee korked hisself. But theze here flyin dutchmen aint dubblin no caips; they jist want to dubble thair orders and paw sez that's why a florist getsit in the nek from them fellers. If ever you sea a feller comeround the greenhouses in the spring and that feller has kind of phunny cloes on and looks like a Methodist preacher with the stummy cake, you better skip lively wile yoo have a chanst, coz that feller is wun of them flyin dutchmen and he'll sel yoo a hull lot of stuph that you don't want, unless you dust out lively. That's what paw duz.

Them fellers is jist like Joon buggs. They have thare season jist like them buggs only the buggs has the worst of it coz they only last two or threa weeks but them uther fellers stais darn near threa months. Paw sez thair diffrnt becoz nobody knos where the buggs cum from or whare tha go to. Paw sez he's darn shoor of whair them flyin dutchmen will go to—sum day.

P. S. Paw don't say darn but that's the best I kin do hear.

Arsenic and parris grean and lundun perple and a hull lot uv things wil kil Joon buggs but I guess tha wont phaise flyin dutchmen. I never tride but I guess nit.

Them fellers alwuz has better bulbs than enny uther feller an' if yoo by sum bulbs from him he will prove it. All hee wantz is a triull order and yoo will be glad next yeer about it. Don't yoo give him nun, coz if yoo do next yeer he will cum round again wurs than ever and if you don't give him a order he will weap all over yoor plaise and muddy up the walks.

Paw sez he is goin' to trade the place off to them flyin dutchmen for a fue spring bulbs and when he gets the bulbs in the fall he is agoin to sell them rite awai and skip out for South Ameriky and raise cain on the Ammyzon. Golly!

N. B. The cain I meen is shugger cain.
A.

News Notes.

BRIDGEPORT, CONN.—Chas. W. Keith has been re-elected park superintendent by the park board.

HOUSTON, TEXAS.—W. W. Westgate succeeds the firm of Mrs. T. E. Westgate & Son, Mrs. Westgate retiring.

BLOOMINGTON, ILL.—Mr. J. H. Burnham has resigned as park commissioner and Mr. W. H. Patterson has been elected in his stead.

NAZARETH, PA.—Geiger & Leche entered into partnership here April 1, and will erect six new houses 150x18 this summer, principally for carnations.

OSWEGO, N. Y.—Mr. Walter Workman, our enterprising young florist, is very busy erecting a fine rose house 60x20 feet. His friends predict that in the near future his grounds will be covered with green-houses.

ROME, GA.—A local land company has offered to donate 60 acres of land to the city for a public park and citizens living in the vicinity of the proposed park have offered to contribute \$1,500 toward its development.

MADISON, Wis.—J. E. Williams is building a new rose house 20x60; another house for smilax, etc., 10x42, and a sales-room and palm house combined of an irregular shape 54 feet long; also an addition of 30 feet to his potting shed. This gives him altogether 6,000 feet of glass. The entire plant will be heated by steam.

PEORIA, ILL.—We have had a terrific hail storm that did serious damage to greenhouses and hot bed sash. On greenhouses glazed with single thick glass almost every light was broken; the hail stones were the largest ever seen here. Mrs. M. Cation's houses are almost a total wreck, also those of Mr. Shoaff. Cole Bros. and J. C. Murray suffered little or no loss, having double thick glass.

SYRACUSE, N. Y.—Mr. W. C. Hewson, for some years in charge of the late Mrs. Morgan's rare collection of orchids, and for the past four years head gardener to Mrs. P. A. Roche, has taken charge of the extensive greenhouses and grounds of G. H. Lewis, Esq., Buffalo. H. Youell, for some years secretary of the Central New York Horticultural Society, has rented the greenhouses of Mrs. Roche and will start in as a florist.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

SITUATION WANTED—By a practical florist, experienced in growing cut flowers for city store. Address "GROWER," care American Florist.

SITUATION WANTED—By a first-class man as foreman or second man in a large place where attention to business is appreciated. Address BUSINESS, care American Florist.

SITUATION WANTED—By a German young man; eight years' experience in growing roses, palms and general collection plants; references; state wages. Address C. R., care American Florist.

SITUATION WANTED—By a practical gardener, married, Danish; good certificates for all branches of private gardening; specimen flowers and plants a specialty. P. R., 201 Cleaver St., West, Chicago.

SITUATION WANTED—German 23, single, eight years' experience with general greenhouse stuff, wants position where some cut flowers are made up and landscape gardening done; best references. E. LAMPRECHT, Ashland, Ohio.

SITUATION WANTED—By practical all-round florist, German, age 30, single; 16 years' experience in propagating and growing roses, carnations, violets, etc., and pot plants; best of references. FRED JAHN, 417 Huron St., Toledo, O.

SITUATION WANTED—By a thorough practical gardener and florist; commercial or good private place; A No. 1 rose grower; carnations, violets a specialty; good designer; age 35; references. Address G. W., No. 30 Laurel St., Langdon Ave., Springfield, O.

SITUATION WANTED—By well experienced florist and gardener, competent in growing cut flowers and forcing grapes; has charge of large private place, and is well recommended by present employer; nationality Swiss, age 31, married, no children. Address COMPETENT, care American Florist.

SITUATION WANTED—By an energetic grower; good faithful worker; competent to take full charge; wishes good steady position; 13 years' experience in different branches. Best of recommendations. Expect good salary, and can earn it. Address A. B. C., care American Florist, Chicago.

SITUATION WANTED—As working foreman in a commercial place. Quick, sober and reliable; experienced in roses, carnations and mums; a first-class propagator; good designer and makerup for city store. Best of references. Address with particulars, CHAS. A. MOSS, 174 Angier Ave., Atlanta, Ga.

SITUATION WANTED—By an energetic and well experienced young man, age 28 years, a position as rose grower, by the 1st of June. First-class references. Speaks German, and is an abstainer of liquor and tobacco. Neighborhood of Chicago preferred. Only parties wishing a good man need apply. Address H. R., care American Florist, Chicago.

WANTED—1,000 or 2,000 plants of Perle Roses 2 or 2½-inch, strong. R. R., care Am. Florist.

WANTED—A quick, reliable young man for the mail plant business in the west. R. R., care American Florist.

WANTED—Pteris tremula and Pteris argyrea 2 and 3-inch pot plants. Address N. A. Z. & NEUNER Louisville, Ky.

WANTED—A few hundred dormant roots of Canna Star of '91. Address WESTERN, care American Florist.

WANTED—A single man to grow plants and cut flowers, and arrange designs, etc. Address with reference J. W. DAYHOFF, Hagerstown, Md.

WANTED—A few dozen canna Queen Charlotte. Address, stating size and condition, with lowest price per 100. R. R., care American Florist.

WANTED—Young man for general greenhouse work, must be honest and sober, not afraid to work; state wages. Box 154, Oconomowoc, Wis.

WANTED—To exchange 10 fine well grown rubber plants 12 to 15 inches high for 400 carnations Daybreak, Portia and McGowan; must be good plants. KOEPPEN & STALEY, Springfield, Mo.

WANTED—Single man for store and conservatory; must be good bouquet maker; salesman with some experience of forcing bulbs and valley; if you are sober, honest and not afraid of work I have a steady place at \$25 a month, board and lodging to start with. SCHILLER, 839 Madison St., Chicago.

FOR SALE—3 acres fine land, city limits, opposite largest cemetery, on street car line; fine location and opportunity for greenhouse. CHAS. LAMPARTER, 718 Columbus St., Elmhrn, N. Y.

FOR SALE OR RENT—Chicago greenhouses; \$3,000—\$1,000 cash, balance on time; 15,000 square feet glass, stocked with roses, carnations, etc. For particulars address A. T. JACKSON, Stanton X, Chicago.

FOR SALE—Good greenhouse and residence in a place with 4,000 inhabitants; good trade from adjoining towns; will be sold at a bargain; poor health reason for selling. For particulars address P. O. Box 1057, Plymouth, Ind.

FOR SALE—Two-story house with store and greenhouse at rear, 70 feet long by 20 wide, 426 1/2 St., good location; also store on Wentworth Ave., doing good business, with a reasonable rent. Address or inquire 627 Wentworth Ave., Englewood, Chicago.



JAPANESE LONGIFLORUMS

Why not try some of these instead of the Bermuda stock? Cheaper, and no Harrisii mix. I can deliver by Oct. 1st if I hear from you at once. Let me figure on your other wants in the bulb line.

G. C. WATSON, 43 North 10th Street, PHILADELPHIA, PA.

Mention American Florist.

GOING, GOING, GONE.

It is not surprising that sharp buyers are clearing out our surplus of Orchids at the prices they are going. An extra night force of packers are now employed to ship them. Already the great benches in the twenty Orchid houses begin to show wide spaces, so that we shall soon have plenty of room to grow on the balance, when we shall no longer need to continue the sacrifice. Orchids cannot be collected in the tropics at the prices we are selling, to say nothing of the expense of potting and establishing them to a point of perfection of vigor and bloom.

We have adopted the same course to reduce our stock of large Palms, Tree Ferns and Decorative plants. The plants are going fast. Be quick. Last call.

PITCHER & MANDA (Inc.) Short Hills, N. J.

FOR SALE OR LEASE.
Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCBORN, Dubuque, Ia.

For Sale or Rent.
My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 2½ feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 100 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.
AUGUST DRESEL,
Belmont and Western Aves., Chicago.

Established Flower Business FOR SALE AT A BARGAIN.

Two centrally located stores at Bar Harbor doing a lucrative summer business of \$4,000 to \$6,000 per season. Both fully fitted with show windows, refrigerators, marble counters, water, sewer and telephone connection, and every necessary equipment. Connected with each store are five rooms ready furnished for light house-keeping. Possession of one until end of present season, the other on leased ground at a low rental, and attached to the latter is a garden under high cultivation with 6,500 hybrid roses, 1,000 auratums and large plantings of other useful hardy stock. For full particulars address

GEO. A. SUTHERLAND,
67 Bromfield St., - BOSTON, MASS.

WANTED.
Five or six hundred Banksia Rose Stocks. Address with price, M, care Am. Florist, 67 Bromfield St., Boston, Mass.

FOR SALE.
ECHEVERIA SECUNDA GLAUCA, fine young plants, \$3.00 per 100, cash.
H. YOUELL, FLORIST,
cor. Ludl and Willow Sts., Syracuse, N. Y.

15,000 MARIE LOUISE VIOLETS.
Rooted Cuttings, at \$5.00 per 1000.
CASH WITH ORDER.
J. J. LAMPERT, 836 N. King St., Xenia, O.

AMPELOPSIS VEITCHII,
2½-inch pots, \$3.00 per 100; \$25.00 per 1000
SWAINSONA, 2½-inch pots, \$1.00 per 100
UYCLAMEN, dry roots, \$5.00 per 100
A. L. BLACK, 415 E. Chase St., Baltimore, Md.

New Chrysanthemums for 1895

- JAPANESE NOVELTIES AND CALIFORNIA SEEDLINGS.
- ADMIRAL ITO.**—Enormous brilliant yellow margined amber.
 - BUFF GLOBE.**—A golden sport from Good Gracious.
 - BUFF HAIRY.**—Deep brownish yellow, hairy.
 - COUNT YAMAGATA.**—White shaded pink.
 - FUZI SNOW.**—A white sport from Good Gracious.
 - GENERAL NODZU.**—A grand incurved yellow.
 - GRACE S. YOSHIKE.**—A striking white seedling from The Queen.
 - GOLDEN PALACE.**—A perfect golden ball.
 - MARSHAL OYAMA.**—A glistening white, incurved.
 - ORIENTAL GLORY.**—A magnificent shrimp pink.
 - PEARL PALACE.**—A perfect spherical flower of pearly white.
 - YELLOW SUPERIOR,** a mammoth incurved yellow.
- Price 50c. each, \$5 per dozen, \$35 per 100.
Cash with the order. Send for Catalogue.

Japanese Nursery,
H. YOSHIKE, Prop.,
Cor. 16th & Willow Sts., Oakland, Cal.

PALMS.
150,000 of all the leading varieties.

FERNS.
50,000 of leading varieties.

Address **GEORGE WITTBOLD,**
1708 N. Halsted St., CHICAGO.

NEW CHRYSANTHEMUMS.
Fewkes, Challenge, Dailedouze, Inter Ocean, Mrs. Hs. Mrs. Hill, Mrs. Lippincott, Dean, Mutual Friend, Bonnyton, Yellow Queen, Davis, Pitcher & Manda, Gray, Beau Ideal, Bramhall, and others. Sold in sets of 12 plants each under the head of "Specialties" and "Novelties." Older varieties "Selects of 1893," 16 plants each, and the "Old Guard Set" of prize winners, 15 plants each. Price, \$1.00 for each set plants by mail, postage paid by me. Send for catalogue.
MEREDITH B. LITTLE, GLENS FALLS, N. Y.

ABUTILON Souv. de Bonn.....	Per 100 \$5.00
ANTHEMIS CORONARIA 8 pl.....	3.00
MARGUERITE, yellow (Paris Daisy).....	2.50
PETUNIAS, double, assorted.....	2.50
GERANIUMS, Ivy, Jeanne d'Arc, Florens, Galliee.....	3.00
CENTAUREA Gvinnocapi (Dusty Miller).....	2.00
ALTERNANTHERA, 4 varieties, 2 inch, strong.....	2.00
VINCA Harrison and Major, 2-inch, strong.....	2.00
FEVERFEW Little Gem, 2½-inch.....	2.00
All from 2 and 2½-inch pots, well rooted.	
THOS. A. McBETH, Springfield, O.	

Cincinnati.

The spring plant trade of the market florists has fairly begun, and the growers are more than pleased with the outlook for the season, though the past two weeks have been exceptionally hot, in fact we haven't experienced such warm weather in the early part of May since the spring of 1875. They have disposed of a good quantity of bedding plants each market day, and have booked a number of orders for later delivery. It is never safe to risk out tender plants in this section until after May 10, therefore the florist's busiest days do not begin until after that date. The plants offered for sale this spring are unusually fine, clean and healthy. Some fine specimens of decorative plants, such as palms, dracaenas, crotons, rubbers, pandanus and ferns can be seen on the stands of R. Schmidt, J. Schuman, Huntsman Floral Co., F. Walz, and Corbett & Wilson; the sale of such stock has been very satisfactory during the entire winter.

Cut flowers are a drug on the market at present, partly owing to the fact that the country people are bringing in many such flowers and are offering them at much reduced rates. Lilacs, spiræas, pæonias, flowering almonds, Chinese narcissus, tulips and loniceras, are brought in in quantities.

Next week will mark the beginning of the planting in the parks and reservations throughout the city. Hyacinths and tulips are at their best just now in the parks. The shrubbery throughout the parks begins to look as though spring has come, flowers can be seen in every direction.

Society is almost at a standstill, consequently the store florists have a breathing spell after a long and busy season. They are all unanimous in saying this has been their best season since they began business. The principal call just now is for weddings and funerals. The fakirs have had a busy week, giving a goodly portion of their stands and baskets to lilacs, which has been both plentiful and fine. Violets, both cultivated and native are done.

Gustave Adrian, of Clifton, is building a fine house for chrysanthemums, 60x20, with 20x24 glass, and it will be heated with hot water.

Mr. Louis Pfeiffer, of Louis Pfeiffer & Sons, has retired from business and turned everything over to his sons William and Louis.

The prospect for another free chrysanthemum show in the flower market this fall is very bright. P.

\$. \$. \$. FOR DOLLARS.

MME. F. BERGMAN is the best early white to date. Rooted Cuttings, \$2.00 per 100; from 2 1/2-inch pots, \$4.00 per 100.

YELLOW QUEEN, best early yellow. Rooted Cuttings, \$4.00 per 100; from 2 1/2-inch pots, \$6.00 per 100.

SMILAX, from 2 1/2-inch pots, strong, \$2.50 per 100; \$20.00 per 1000. Send for Catalogue.

ADDRESS J. G. BURROW, Fishkill, N. Y.

CLEMATIS.

Home Grown, own Roots, in 20 Leading Kinds.

2 year \$3.00 per doz. \$25.00 per 100
3 year 4.00 " " 30.00 " 100

H. P. Roses, popular kinds, own roots and in 4 in. pots. Strong healthy stock, \$1.00 per doz.; \$10.00 per 100. Daisies, double, choice named varieties, 2.00

F. A. BALLER, Bloomington, Ill.

VIOLETS.

ROOTED RUNNERS.

Marie Louise.

Warranted free and clear of disease, \$4.00 per 1000. Ready for delivery April 1st.

HENRY HESS, Florist, Cockeysville, Balto. Co., Md.



One of a Thousand

This flower looks attractive—multiply it by 1000 and you will have a good idea of a bush of

ANDORRA'S

LATEST INTRODUCTION

Hypericum Moseerianum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. **Fine, Strong Plants, \$7.50 per Hundred.**

Hardy Trees, Shrubs, Plants, Roses, and Fruit. (Rhododendrons a Specialty.)

Andorra Nurseries, Wm. Warner Harper, Mgr. Chestnut Hill, Philadelphia, Pa.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice.

Try this set, you'll not regret
When you see the beauties blooming,
And don't forget the best thing yet,
They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents, from 2 1/2-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georganna, with the finest scarlets, purples, striped and intermediate shades. Double Petunias (Dreer's), 2 in., \$2.50; 3-in., \$1; 4-in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarlet), 5 for 50 cents. Variegated Vines (Perrywinkle) from flats, \$2; 2 1/2-in., \$3; 3-in., very fine, \$3 per hundred. Begonia Vernon, semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2 1/2 in., \$2.50; 3-in., \$3.50 per hundred. New yellow daisy, Anthemis Tinctoria (single), 2 1/2-in., \$3 per hundred. Anthemis Coronata (Golden Margaret) the genuine dwarf large-flowered, double, from flats, \$2.50; 2 1/2-in., \$3.50 per hundred. Nasturtiums selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark, 2 1/2-in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2 1/2-in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2 1/2 and 3-in., \$4 per hundred. Calendula, P. of Orange, Scabiosa Snowball, sweet Alyssum, tall, double and dwarf single, Mignonette, Torenia fourneti, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4-in. size, \$3; 6-in., \$5 per hundred dormant roots; Eulalia plant sticks, the neatest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy canna, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding canna, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. A dress cash with order please.

J. C. GIBSON, WOODBURY, N. J.

CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.

HARRISBURG, PA

PANSIES.

The Jennings strain of Large Flowering and Fancy Pansies in bud and bloom, ready April 1st. The **Finest Strain** is what every Florist wants. Plants grown in cold frames, firm and stocky, by express, per 100, \$2.00; \$15.00 per 1000. Small plants, prepaid by mail, 60 cents per hundred. All colors mixed.

E. B. JENNINGS,

Wholesale Pansy Grower, Cash with order. Lock Box 254, SOUTHPORT, CONN.

Michel Plant and Bulb Co., WHOLESALE FLORISTS.

ST. LOUIS, MO.

When writing mention the American Florist.

TOBACCO DUST.

Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs, \$5. Sample FREE. Vaughan's Seed Store, Box 688, Chicago.

PALM SEEDS

Direct Import, fresh quality, just arrived.

	Per 100	Per 1000
Areca lutescens.....	\$1.00	\$ 7.00
" rubra.....	1.00	7.00
Cocos Weddelliana.....	Sold out.	
Ceonomia gracilis.....	3.00	25.00
Chamærops humilis.....	0.50	4.00
" arborescens.....	0.75	6.00
" canariensis.....	0.60	5.00
" argentea.....	0.60	5.00
" tomentosa.....	1.10	7.50
" robusta.....	1.00	7.50
" elegans.....	1.10	7.50
Phoenix rupicola.....	1.10	12.50

LATANIA BORBONICA, fine seeds, started to germination, per lb. \$0.65, per 10 lb. \$6.00, per 25 lb. \$13.75.

CHAS. SCHWAKE,

404 E. 34th Street, NEW YORK.

75,000 AM. BEAUTIES.

A No. 1 Forcing Stock, \$5.00 per 100, \$45.00 per 1000.

	Per 100	Per 1000
MME. COCHET.....	\$6.00	\$50.00
THE BRIDE.....	4.00	35.00
CHR. DE NOUE.....	4.00	35.00
METEOR.....	3.50	30.00
NIPHETOS.....	3.50	30.00
MEKMET.....	3.00	25.00
LA FRANCE.....	3.50	30.00
KAISERIN VICTORIA.....	5.00	45.00
CAROLINE TESTOUT.....	6.00	50.00

SMILAX.

Fine 2-inch stock, \$1.50 per 100, \$10.00 per 1000.

☞ Cash with order.

J. B. HEISS,

116 South Main St., DAYTON, OHIO.
Mention American Florist

COLEUS.

In assorted lots only.

A FINE COLLECTION; 40 KINDS, AT \$6.50 PER 1000.

W. R. SHELMIRE, AVONDALE, PA.



TRY DREER'S

GARDEN SEEDS,

Plants, Bulbs & Requisites.

They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER, Philadelphia, Pa.

CHRYSANTHEMUMS.

Fine assortment of all colors, prize winners of '94. Rooted cuttings, free by mail, \$1 per 100. Strong pot plants, by exp. \$2 per 100; \$18 per 1000.

CARNATIONS—G. Wilder, rooted cuttings \$1 per 100 by mail; \$7 per 1000. Cash. E. FRYER, R. R. Ave., cor. 11th St., Brooklyn, N.Y.

Rose Plants

FROM THE
SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride,
Meteor and Testout.

Please write, stating just what you want, and I
will quote you a bargain.

Originalor of the **FRANK L. MOORE,**
ROSE Chatham,
BRIDESMAID. NEW JERSEY.
Mention American Florist.

100,000 ROSES.

From 2-inch pots, in **best sorts**, at \$30.00
per 1000.

Wholesale Catalogue upon application. Send
us in your lists and we will quote
lowest prices by return mail.

OVER ONE MILLION PLANTS IN STOCK.

Satisfaction Guaranteed.

ADDRESS
NANZ & NEUNER,
LOUISVILLE, KY.

ROSES. ROSES. ROSES.

TEA AND MONTHLY ROSES from 2-inch pots, \$2.50
per 100; 3 inch \$4.00 per 100; fine large plants,
our selection, from 20 best kinds.

H. P. ROSES, 2 and 2½-inch pots, \$3.00 per 100,
one year, our selection from 25 standard varie-
ties. Good assortment at above reduced prices.
17 3 and 4-inch Palras for \$3 00; 34 for \$5 00 CASH.

WILLIAMS & SONS CO., Batavia, Ill.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best re-
sults to the florist, blooming freely and giving plenty of
cuttings for propagating quickly. Fine plants for sale
by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER,
JAMAICA PLAIN, (Boston), MASS.

FORCING ROSES

OF ALL KINDS.

GARNATION PEACHBLOW.

For reasonable price.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

CANNAS.

NEW SET OF 12 CHOICE DISTINCT
VARIETIES FOR \$8.00.

All best varieties of recent introductions at low
rates; liberal discounts for large orders.

JOHN N. MAY, Summit, N. J.

MAY OFFER.

ALTERNANTHERA, red and yellow, 2½-in. Per 100
pots \$2.50
ENGLISH IVY 2.50
GERANIUMS, 4-inch pots, assorted 5.00
COLEUS 2.75
PANSIES, small, \$1.00; larger 1.75
CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.

MARIE LOUISE VIOLETS ONLY.

Have never lost a plant by disease, and no disease
in my houses.

Clumps \$5.00 per hundred. Plants taken from
clumps and shifted the same day, \$8 per 1000
Cash must accompany the order.

JOSEPH MARKEL, Rhinebeck, N. Y.

8,000 TO 9,000 PER DAY IS WHAT WE SHIP OF

BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY.

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw
the New Rose growing, "I am agreeably disappointed; I
had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF.

\$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave. — NEW ROCHELLE, N. Y.

YOUNG ROSE PLANTS

We offer the following very choice Plants out of 2 1-2 in. Pots.

	PER 100.		PER 100.
AMERICAN BEAUTIES,	\$5 00	BRIDES,	\$3 00
METEORS, Best Red Rose,	3 00	MERMETS,	3 00
MME. C. TESTOUT,	6 00	BRIDESMAIDS,	3 50
KAISERIN A. VICTORIA,	6 00	LA FRANCE,	3 00

The above stock is very strong and healthy, and propagated from selected wood.

We send out the same stock that we grow for ourselves, and it will give
better satisfaction than stock which has been grown simply to sell.

REINBERG BROS.,

51 Wabash Ave. CHICAGO.

HEADQUARTERS FOR THE WONDERFUL NEW ROSE CRIMSON RAMBLER.

The Largest and Finest Stock in America.

Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots,
\$15.00 per 100. Ready for immediate shipments.

ELLWANGER & BARRY,

Mt. Hope Nurseries, ROCHESTER, N. Y.

BEAUTIES, MERMETS, CUSINS, BELLES, TESTOUTS, NIPHETOS,
PERLES, BRIDESMAIDS, BRIDES, METEOR, HOSTE, LA FRANCE,
WOOTTON, WATTEVILLES AND AUGUSTA VICTORIA.
Rooted Cuttings. Plants and Smilax. Cash with order. Address for quotations

ROSES

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

Always mention the American Flo-
rist when writing to advertisers.

Mention the American Florist when
writing to advertisers on this page.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate; Inch, \$1.40; Column, \$14.00. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

The Judge Says.

An agent authorized to act for a principal in a given negotiation cannot deal with himself.

An affidavit is simply a declaration on oath, in writing, sworn to by a party before some person who has authority under the law to administer oaths.

It is absolutely inconceivable that there can be actionable negligence where there is no duty, since negligence without breach of duty cannot possibly exist.

An invitation is inferred where there is a common interest or mutual advantage, while a license is inferred where the object is the mere pleasure or benefit of the person using it.

To make false representations legally available, they must not only have been believed, but they must have been acted upon, and formed, at least in part, the inducement for the action resulting in damage.

If a surety signs a note upon the condition that some one else is to sign, that condition being known to the payee, and assented to by him, the surety is not bound or liable on such note unless it be signed by the other party.

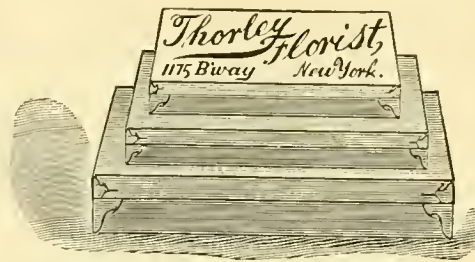
The grounds upon which infringements of trade marks are enjoyed are (1) injury to the public, by leading them to buy something that they did not intend to buy; and (2) injury to the owner of the trade mark, by diversion of his trade into other channels.

The law says that every one who breaks a contract shall pay for the natural consequences arising from the breach thereof, which must include gains prevented as well as losses sustained, provided they are reasonably certain, and such as might naturally be expected to follow the breach.

In order to justify setting aside a contract of an insane person, not under guardianship, on the ground of insanity, it must appear that the contract was made with the knowledge of such incapacity, or such information with respect thereto as would put a prudent person to the belief of the incapacity.

In the absence of both contract and statutes to the contrary, the liability of a railroad as a common carrier continues until notice to the consignee of the arrival of his goods, and a reasonable time, during business hours, after receipt of notice, to inspect and remove them, unless he is unknown, absent, or cannot be found, in which case the goods may be stored.

SAMUEL S. PENNOCK,
Wholesale Florist
REAR OF 42 S. 16th STREET,
Philadelphia, Pa.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.



Hardy Cut Ferns,

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON

COLEUS, COLEUS, COLEUS.

We take back seat for none, and claim to be the leaders in the Coleus trade, and the originators of the Golden Queen Coleus, the only good all around yellow Coleus grown. Over a hundred thousand now ready.

Golden Queen and C. Verschaffeltii, rooted cuttings	Per 100	Per 1000
Coleus in variety	\$.75	\$ 6.00
Feverfew	.40	5.00
Ageratum, blue and white	1.00	9.00
Heliotrope, 4 varieties	.75	
Snow Flake Stock, 2 1/4 in. pots, at	1.00	
Cash must accompany the order.	2.50	

J. E. FELTHOUSEN,

370 Van Vranken Ave., SCHENECTADY, N. Y.

Michael A. Hart,
Wholesale Commission Florist.

ALL STOCK IN FINEST GRADES.

113 W. 30th St., NEW YORK.

Telephone Call 1307 38th St.

JULIUS LANG,
(Formerly with THEO. ROEHR'S.)
Commission Dealer in Cut Flowers,
WHOLESALE,

53 West 30th St., NEW YORK CITY.

The Boston Flower Market

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.

Address JOHN WALSH, MANAGER, Flower Market, Park St., BOSTON, MASS. Long Distance Telephone "Haymarket 633."

WISCONSIN FLOWER EXCHANGE,
WHOLESALE
CUT FLOWERS,

AND GROWERS STOCK.
Orchids a Specialty.
Consignments of Cut Flowers solicited.

468 Milwaukee St., MILWAUKEE, WIS.

Asparagus Plumosus Nanus.

Cut Strings, 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Cycas Leaves. FRESH CUT each 75c.

VAUGHAN'S SEED STORE, P. O. Box 688, Chicago.

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

Ellis & Pollworth,
WHOLESALE
CUT FLOWER GROWERS' AGENTS,

Dealers in Florists' Supplies—Wire Work. Introducers of the new Scarlet Carnation "LIZZIE GILBERT." Send for prices. 386 Broadway, MILWAUKEE, WIS. Box 75. Phone 1273.

WELCH BROS.,
Wholesale Florists,

NO. 2 BEACON STREET,

Near Tremont St., BOSTON, MASS.

H. L. SUNDERBRUCH,
Wholesale Florist

4TH AND WALNUT STREETS,
Cincinnati, O.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS,

495 Washington St., BUFFALO, N. Y.

SHIPPING ORDERS CAREFULLY ATTENDED TO. OTHER SPECIALTIES: Florists' Supplies, Wire Designs, Bulbs, Long's Florists Photographs. Catalogues, Lists, Terms, etc., on application.

W. ELLISON,
WHOLESALE
Cut Flowers & Florists' Supplies

WIRE DESIGNS.

1402 PINE STREET,

St. Louis, Mo.

C. A. KUEHN,

(Successor to ELLISON & KUEHN.)

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England, & Brugem, Belgium.

A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106 and 108 Liberty Street, New York City. Send for illustrated catalogue.

E. H. HUNT,
WHOLESALE FLORIST

68 Lake Street, CHICAGO.

WHOLESALE CUT FLOWERS.
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
and FLORISTS' SUPPLIES.
34 & 36 RANDOLPH STREET,
CHICAGO.

T. J. CORBREY,
Wholesale Commission Florist,
59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
Wholesale Florist,
126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
34 & 36 Randolph Street,
PHONE MAIN 223, CHICAGO.
HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
51 WABASH AVENUE,
Telephone Main 4937. CHICAGO.

Our Roses best them all, in quality.
Headquarters for fine American Beauties.

WM. E. LYNCH,
(Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
59 WABASH AVENUE,
CHICAGO.
SHIPPING TRADE OUR SPECIALTY.
Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
41 WABASH AVENUE,
CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
WHOLESALE
COMMISSION FLORISTS,
41 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Consignments solicited. Prompt attention to all orders.

Always mention the American Florist when writing to advertisers.

Wholesale Markets.

Cut Flowers.

NEW YORK, May 7.

Roses, Perle, Hoste, Cusin	1.00@3.00
" Mermeta, Watteville, Brides	1.00@5.00
" Bridesmaid	1.00@5.00
" La France	1.00@5.00
" Testout	1.00@5.00
" Meteor	1.00@3.00
" Beauty	10.00@2.00
" seconds	2.00@5.00
Hybrids	10.00@20.00
Jacqs.	4.00@8.00
" extra	8.00@15.00
Moss per bunch	.50@1.00
Carnations	.50@1.50
" fancy	1.50@3.00
Violets	.25@.40
Valley	2.00@3.00
Harrisli lilies	3.00@4.00
Mignonette	1.00@4.00
Smilax	25.00
Adiantum	1.00
Lilae per bunch	.50@1.00
Asparagus	50.00

BOSTON, May 7.

Roses, Niphetos, Gontler	1.00@2.00
" Perle, Sunset	2.00@3.00
" Mermeta, Brides	1.00@6.00
" Hybrids	10.00@20.00
Carnations	1.00@2.00
" fancy	2.00@3.00
Violets	.40@.50
Daffodils	1.00@2.00
Tulips, Poetens	1.00@2.00
Longiform	1.00@2.00
Harrisli	1.00@2.00
Callas	2.00@3.00
Astilbe, Mignonette Stock	1.00@2.00
Margherites, Mysotis	.75@1.00
Fansies	.25@.50
Adiantum	1.00
Smilax	25.00@30.00
Asparagus	50.00

PHILADELPHIA, May 7.

Roses, large teas	4.00@6.00
" small teas	2.00@3.00
" Beauties	10.00@25.00
" Brunners	10.00@25.00
Laing.	25.00
Carnations	.75@1.00
" extra	1.50
Asparagus	35.00@50.00
Violets, double	.35@.50
Valley	3.00
Daffodils	3.00
Harrisli	5.00@6.00
Cattleyas	25.00@35.00
Sweet peas	.50@1.00
Mignonette	1.00@2.00
Smilax	15.00@25.00

CHICAGO, May 9.

Roses, Beauties select	15.00@25.00
" seconds	2.00@8.00
" Large teas	2.00@3.00
" Small teas	.50@1.50
" Good ordinary, per 1000	6.00@10.00
Carnations, common	.50@1.00
" fancy	1.50
Valley	3.00
" outdoor	.50@1.50
Narcissus	5.00@1.00
Harrisli, Callas	6.00@8.00
Sweet peas	.10@.35
Smilax	15.00@20.00
Adiantum	.50@1.00

BUFFALO, May 8.

Roses, Beauty	15.00@30.00
" Mermeta, Bride, Bridesmaid	3.00@5.00
" Meteor	3.00@5.00
" Perle, Hoste, Gontler	3.00@4.00
Carnations, long	1.00@2.00
" short	.75
Sweet peas	.50
Valley	3.00@4.00
Tulips	2.00
Daffodils	1.00@2.00

GEORGE A. SUTHERLAND,
Successor to PECK & SUTHERLAND,
Successors to WM. J. STEWART.
Cut Flowers and Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.
New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS

J. F. Mearns & Co.
JOBBER IN
FLORISTS'
SUPPLIES,
FLORISTS'
VASES.
METS,
BRIDES,
GONTIERS,
CARNATIONS,
ALWAYS ON HAND.
84 Hawley Street,
BOSTON, MASS.
HORTICULTURAL AUCTIONEERS.
Mention American Florist.

THE LEADING FAVORITES:

American Beauty,
Bridesmaid,
Meteor,
Testout,
And all other desirable roses, grown especially for first-class trade.

BURNS & RAYNOR,
Wholesale Florists.
49 West 28th St., NEW YORK

THOS. YOUNG Jr.
Cut Flowers,

WHOLESALE
43 W. 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application

Edward C. Horan,
34 W. 29th Street, NEW YORK,
WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.
Price list on application.

JAMES PURDY,
WHOLESALE DEALER IN
CUT • FLOWERS,
57 W. 30th St., NEW YORK.

JOHN YOUNG,
FINE ROSES
WHOLESALE,
51 West 28th St., NEW YORK.

THEO. ROEHR,
WHOLESALE
FLORIST
111 WEST 30TH STREET,
Established 1879. NEW YORK CITY.

FRANK MILLANG,
WHOLESALE FLORIST
408 East 34th Street,
NEW YORK.
Cut Flower Exchange.
ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DORR, 114 Chambers street, New York, secretary and treasurer.

Seed Advertising.

AN INTERVIEW WITH W. ATLEE BURPEE.

"You ask me about seed advertising," said Mr. Burpee. "In the first place, I would say that a year ago, in the winter and spring of 1894, we purposely increased our advertising appropriation from the knowledge we had that other seedsmen, owing to the hard times, were curtailing their advertising expenditures. The amount spent in the winter and spring of 1894 by seedsmen generally was hardly more than two-thirds of the usual expenditure; whereas we increased our appropriation fully fifty per cent. over the advertising done by us in 1893. We did this thinking that with the general curtailment a fifty per cent. increase would have the same effect that doubling our advertising in an ordinary season. We took whole pages in forty-two leading weeklies and monthlies, including *Ladies' Home Journal*, *Household*, *Ladies' World*, *Lupton's Home Journal*, *Century*, *Scribner's*, *Harper's*, *Review of Reviews*, *Mayflower*, *Cosmopolitan*, *Chautauquan*, *Vick's Magazine*, *Success with Flowers*, *Farm Journal*, *Rural New Yorker*, *Gardening*, of Chicago, *American Gardening*, of New York, *Country Gentleman*, *Outlook*, *Congregationalist*, *Christian Herald*, *Golden Rule*, *Sunday School Times*, *Great Divide*, *Practical Farmer*, and large spaces in other leading publications, such as *Home and Farm*, *Farm and Home*, *Farm and Fireside*, *Ladies' Home Companion*, *Demorest's*, *Delineator*, *American Agriculturist*, etc.

POOR RESULTS LAST YEAR.

"Contrary to our expectations, never in the eighteen years in which we have been advertising, have we had less satisfactory returns. For some years past, previous to 1894, the average apparent cost of applicants from advertising has been sixty-six cents each; but as only one in three name the paper in which they have read the advertisement, this makes the actual cost of applicants twenty-two cents each. With the increased advertising in 1894 and the decreased competition, we naturally expected that the cost of applicants would not exceed the average cost of years previous.

"In this we were greatly disappointed. For instance, the *Century Magazine*, to name one of the best mediums, which in 1893 cost us apparently fifty-six cents per applicant (less than the average), cost us in 1894 more than \$2.50, apparently, per applicant. The *Ladies' Home Journal* which in 1893 cost us twenty-two cents, apparently cost in 1894, eighty-nine cents. The *Mayflower*, which in 1893 cost twenty-eight cents, apparently, in 1894 cost us \$1.28 cents for each applicant. I mention these three as three of the best advertising mediums we use, and would only say that with a few notable exceptions the general cost per applicant for inquiries for our seed catalogue for 1894 averaged about five times the usual cost of 1893 and of years immediately preceding.

"It was impossible to explain why inquiries should have been so much less in number from the increased expenditures in 1894, considering the fact that it costs comparatively nothing to write a postal card, and in response thereto the recipient would receive a handsomely illustrated

book of 174 pages with colored plates, giving information of value to every one who has a garden. Personally, I was almost inclined to the opinion that the public was disposed to resent our enlarged advertising in a season of such general business depression!"

GOOD RESULTS THIS YEAR.

"I am glad to say that this year the results from advertising are exceptionally satisfactory. Not for years, certainly not since 1888, have we had so many returns relatively for the cost as we are now receiving. We are spending this winter \$20,000 less than last year, and yet we are receiving fully fifty per cent more applications for catalogues than we did last year. This change may be due partly to the fact that spending a smaller sum of money, we are naturally confining our expenditures only to the mediums which last year's records show us were the most profitable. Again, instead of taking display advertising so generally as we did last season, we are, as a rule, confining our advertising to the plain announcement of our seed catalogue, using whole pages this year only in the *Century Magazine*, *Munsey's*, *Mayflower*, *Success with Flowers*, *Farm Journal*, *Christian Herald* and *Golden Rule*. In other leading publications, such as the *Ladies' Home Journal* and *Youth's Companion*, instead of whole pages, the largest advertisement we are using is about 110 lines, double column. I incline to the opinion that an advertisement the size of that just named is quite as effective as a whole page would be—we certainly are getting as many applications and selling as many cheap 25 cent collections of sweet peas from the smaller advertisement in the *Ladies' Home Journal* as we did last year for a whole page in the same month of February."

300 PER CENT INCREASE.

"Advertising men, such as Mr. Hazen, of the *Century*, and Mr. Thayer, of the *Ladies' Home Journal*, claim that the reason our advertising is paying us so well this year, is because we are getting the benefit of our extra expenditure last season. Personally I cannot agree in this opinion as, while the cumulative effect of advertising is certainly an important factor, it would not account for the much better returns this season than last, an increase, considering expenditure, of fully 300 per cent.

"Although at present our business is not quite equal in daily cash receipts through the mails to this time last year, yet the applications in answer to advertisements being so greatly increased, I believe that this season will be considerably more profitable than last. Last year was unprofitable in the seed trade generally, but notwithstanding that fact we had at this season two weeks of exceptionally good trade, owing to the exceptionally warm weather then existing. Owing to this exceptionally warm weather, the weeks corresponding to this week and last week last year were the two best weeks we ever had in the mail seed trade, notwithstanding the fact that for the year our business was considerably behind, poorer than it ever had been before in recent years."

COST OF APPLICANTS.

"The average actual cost of applicants, as already stated, for recent years, has been twenty-two cents; add to this the cost of our catalogue, which we send free to applicants, of twelve cents, and each applicant costs us thirty-four cents for the purpose of making acquaintance. With such cost it is our impression that the

direct results of magazine and periodical advertising about pay expenses, leaving any possible profit to future orders from the customers whose acquaintance we thus make.

"The excessive cost last year, as already mentioned, however, resulted in a positive loss, so that I can honestly say, had we not spent one dollar in periodical advertising, we would have been considerably better off at the end of our fiscal year. The other day, however, at luncheon with a fellow seedsman (my good friend William Henry Maule, of Philadelphia), I criticised severely the radical stand which he has taken in not spending one cent in cash advertising this season; and while admitting that he could look for no direct profit from newspaper advertising that could be traced, yet claimed that he was making a radical mistake in losing the moral influence that the regular appearance of his advertisements would have upon the readers of periodicals already on his mailing list as receiving his catalogues without advertising. In my mind the indirect influence of magazine and periodical advertising is the only really profitable result to be looked for."

A SIGNIFICANT STATEMENT.

"A few years ago a gentleman, who was the prime mover in establishing the consolidation into one trust of all the type foundries in the United States, approached me to buy out our seed business in connection with others and thus establish a huge seed trust. He wanted to buy the leading seed houses on the same basis on which he had bought the type foundries, fifteen per cent; that is, they would pay \$100 for every \$15 of profit that the business could show per annum for a series of three years preceding. I told him frankly that, while our business was not for sale, yet did we anticipate selling out to any trust, we would want at least three years' notice, since by curtailing our advertising expenditure we could get a much higher price for our business by showing a larger relative profit. To continue these profits, however, it would be necessary to spend even more money in advertising to bring the business back to its old basis after several years of starving it."

SOME MAGAZINES COMPARED.

"What magazines, Mr. Burpee, have paid you best in the past two years?"

"In 1893 the *Review of Reviews* stood at the head of the list, relative to the cost, and in 1894 all the magazines were very poor; but the *Century* and *Harper's* were the best, I think. The *Cosmopolitan*, ordinarily such a good medium, did not pan out in 1894, and the *Chautauquan* was very poor, although in previous years we have ranked it as a good medium.

"I was somewhat amused by the receipt of a letter from Mr. Arnold, the advertising manager of the *Chautauquan*, at the beginning of the season, assuring me that the readers of his magazine, although a highly intellectual class, had not yet reached that point of Twentieth Century advancement whereby they could produce their vegetable food by means of chemistry without the ancient method of growing from seeds. In reply I had to tell Mr. Arnold that had it not been for his assurance by letter, I would have supposed his readers already so advanced that they had learned to dispense with the sowing of seeds, judging from the records of those who applied for our catalogue last season, so few of whom mentioned the *Chautauquan* magazine!

"What publications have paid you best in the long run?"

"Well, I should say the *Ladies' Home Journal*, the *Farm Journal*, of Philadelphia, the *Christian Herald*, of New York, the *Golden Rule*, of Boston, *Century Magazine*, *Mayflower*, *Farm and Fireside*, *Home and Farm*, and the *Delineator*. Up to eight years ago the weekly editions of the great dailies, such as the *New York Sun*, the *Chicago Inter-Ocean*, the *Toledo Blade* and *Omaha Bee*, were among our most profitable mediums; but of recent years they have fallen off so that we now hardly consider them worth using at all. About the only secular weekly that is still profitable is the *Missouri Republican*, the weekly edition of the *St. Louis Republic*."

TRACING REPLIES.

"What proportion of your replies are traceable?"

"Fully one-third. We use this as a basis of estimating the proportion of our replies traceable to each publication."

"What valuation do you place upon an application?"

"It is worth just as much to us as an order enclosing twenty-five cents for one of our cheap collections. The average apparent cost of an application, counting a twenty-five-cent order for a cheap collection of flower seeds, the same as an application, is sixty-six cents in a normal season like 1893. But as only one-third mention any paper, the actual cost per applicant is only twenty-two cents."

"We were so astonished in the case of the *Mayflower*, one of our most profitable of all horticultural publications, that last spring we wrote to the advertising manager, Mr. J. J. DeLong, of New York, that from the fact that we were only getting from the same advertising one-fourth to one-fifth as many inquiries, we should not think that they were issuing as many copies as during 1893. From the fact that Mr. DeLong voluntarily reduced the rates for advertising this autumn, it will be seen that they admitted the falling off in circulation. We think this falling off in circulation was general with other publications, but few have been so honorable as the *Mayflower*, to voluntarily reduce their rates, notwithstanding they had large contracts, including our own, at higher rates."

ONLY TWO PROFITABLE RELIGIOUS PAPERS.

"The most profitable advertising medium we had in 1894 was undoubtedly the *Christian Herald*, which, from our returns, seems to have held its circulation better than any other publication. This and the *Golden Rule* are the only religious papers that are really paying us."

"In a normal season, such as 1893, when the average cost of our applicants is sixty-six cents, apparently, each of the applicants received from the leading religious papers will cost us all the way from \$1.50 to \$3 each."

"You haven't said how the *Youth's Companion* pays you, Mr. Burpee."

"My answer would be that I consider it a fairly good medium, but have not used it as freely as I might, for the reason that I have been fearful of getting too many applications from school children, who wrote simply because our catalogue was a handsome publication. In fact, in 1888 we had such an excess of applications for catalogues that in 1889 we tried the plan of charging ten cents, but soon dropped this as not feasible. Of late years, we generally put in each of our catalogue advertisements the statement, 'price ten cents (less than cost), or free to intending purchasers.' Placing it thus upon the honor of the applicant we find works very well, and we get many a letter enclosing ten cents, where the writer states

that he or she does not intend to purchase, as they have no garden this year, but are interested in reading about the progress of horticulture."

"Frequently we have received a postal card from a country postmaster warning us that by the same mail goes forward a number of postal cards applying for our catalogues, all from school children, who are not likely to be possible purchasers. Formerly this question of the distribution of catalogues worried us considerably, but now we consider youth as a disqualification that is soon overcome, and that nearly every child belongs to a family in which there are adults who may be interested in our catalogue. Therefore, we are now using the *Companion* proportionately with other papers, and can tell you next year as to the results."

"For years we have been urged to try the cheap Augusta, Maine, publications. This season we decided to test all of these by a one-inch single column advertisement offering 'A Bright Book About Seeds,' a special publication of this season which is not half so expensive as our regular catalogue. As we thought the readers of these papers were largely of a class that wanted something for nothing, we expected to get a number of applications, but have been surprised at the few received to date. This little advertisement appeared in the February number of *Lane's List*, and up to several days ago, when I looked at the returns, there were eighty-seven who named *Happy Hours*, twenty that named *Comfort*, *Good Stories*, eighteen, and *Lane's List*, twenty one."

USES NO DAILIES.

"You find the dailies are not good for mail business, then?"

"From what little experience we have had in daily newspapers, we do not consider them desirable for mail business."

"What class of people buy seeds most?"

"That is a very hard question to answer. Our best customers, that is, those who buy the largest bills, are market gardeners and florists—men who look to the profit from selling what they grow. Retail orders from this class will frequently reach from \$20 to \$100 each, sometimes more. The most of our customers, however, are farmers, who buy their vegetable seeds for their home gardens, and rural and suburban residents, who buy a few vegetable seeds for small kitchen gardens, and more flower seeds for the adornment of the garden and culture in pots or window boxes."

A FOURFOLD INCREASE.

"Has the general demand for seeds increased in a greater ratio than the increase of population?"

"Undoubtedly! In the eighteen years I have been in the seed business, I suppose the consumption of vegetable and flower seeds has increased fully fourfold, and I fully expect that the increase will keep on in the same ratio for the next twenty years. Travel anywhere throughout this country, and you will notice how many farmers, besides entirely neglecting the beautifying of their homes by the flower garden, grow in the field only the coarser vegetables, such as cabbage, potatoes, beets and onions. Seedsmen generally are mutually helping each other by educating our people to eat more vegetables and to grow more flowers. For instance, in 1876, when we first started business, our sales of sweet peas would not aggregate twenty-five pounds of seeds the season, while even the larger houses at that date would probably not sell over 200 pounds in a year. Now of sweet peas alone we require more than 20,000 pounds

annually, and there are one or two other houses who require quite as much."

ADVERTISING A POTENT FACTOR.

Has advertising been a potent factor in this increase?"

"Advertising has certainly been an important factor in this increase, but by advertising I would not mean merely periodical advertising, but the circulating of catalogues and horticultural literature as well."

"But which is primarily dependent, is it not, upon periodical advertising?"

"Largely, except that one customer who purchases seeds and grows a good garden naturally recommends us to his neighbor. It is very difficult to get information on these points, but probably we arrive as nearly at the facts as can be by an elaborate system of personal letters which we send out with our catalogues. In one of these letters we state to a certain class that 'We notice you did not purchase any seeds of us last year. Had you any cause for dissatisfaction?' etc. Answers to these letters often elicit the fact that some other member of the family sent the order the preceding year."

MAILING CATALOGUES.

"You ask me about circulation of catalogues. In reply would say that we never send a catalogue except to our regular mailing list of customers, and to the addresses of persons who apply direct to us from periodical advertising. For instance, the proprietor of a Boston seed house who had built up quite a nice little mail trade by advertising, approached us last autumn with a desire to sell out, and his chief asset named a list of a number of customers who were accustomed to buy from him by mail. He seemed greatly astounded when the writer stated to him that we were our active competitors to offer us their mailing list of customers, we would not send them unsolicited a copy of our manual. We have thoroughly tested this system of mailing catalogues to such buyers who have not applied direct to us in years past, and we have proved it to be comparatively valueless."

THE QUESTION OF POSITION.

"Do you regard position of much importance?"

"Yes, I do."

"You are willing to pay more for position space then?"

"Ordinarily we do not pay more for position space, as we are generally able on large space in the more important mediums to get position. For instance, this very week we have the first page of the *Christian Herald*, and the last outside cover page of the *Golden Rule*. However, you will also notice that we have the upper half of the last outside cover page of the *Century Magazine* for March. This, of course, costs heavily for the position, but from the returns already being received, it is worth several times the price of an inside page."

"I see that you use colored illustrations extensively in your 'annual.' Do you believe advertisements illustrated in colors in leading magazines, even if printed at an additional cost to you, would prove profitable advertising?"

COLOR WORK UNPROFITABLE.

"Decidedly no. While we always have a lithographed cover and several lithograph plates in our catalogues, it is a noteworthy fact that the novelties thus presented by such color work the first year of introduction do not sell as well as the next year, when the same varieties are catalogued with only a good wood cut engraving. We shall always, as we

have for years past, continue to use lithograph work, but the effect of the same we regard as principally profitable in that it makes the entire catalogue attractive."

"Have you any reason to offer for this?"

"Nothing further than that it is our custom in using color plates to give a description of the varieties upon the back of the plate, whereas the year following the same variety will be offered on a page with illustrations in connection with the matter."

MAGAZINES AND COLORED PAGES.

"Then if magazines were able to print illustrations in colors with the reading matter on the same page, this objection would be overcome?"

"Largely, I should think, but that would naturally be expensive, because in printing the same page you are paying for fourteen colors, or as many as you use, and a great deal of it would be descriptive matter which is not colored."

"What do you think of write-ups?"

"I don't think a write-up should ever be disguised. It should be a well-told story of the business, or of some interesting feature, and in the matter of seed-growing could be made both instructive and interesting without being in any way deceitful."

"It is fair to assume that you believe catch-phrases like 'Burpee's seeds grow' to be potential?"

A MISSTATEMENT CORRECTED.

"I do; and recently J. L. Stack & Co., in their bulletin, made the announcement that we had paid for the ownership of this phrase the sum of \$200. I immediately wrote to have this statement corrected, telling them that the phrase was first used in one of the advertisements competing for prizes we offered several years ago; that Mr. Wiley B. Jones, advertising manager of Wells, Richardson & Co., of Burlington, Vt., was awarded the second prize of \$25; but had I known how effective this phrase would prove, Mr. Jones would certainly have been awarded the first prize.

A COMMON ERROR.

"I think that other seedsmen, in common with ourselves, are all inclined to try to get too much into one advertisement; that our seed advertising generally has a very solid, heavy appearance, and from several interviews with experts, I know that it is generally condemned for this reason; but in defense of the general seed advertising would say that it is aimed directly at a class at the one season of the year when they are particularly interested in the subject matter of the advertisements, and consequently can allow of less display than general advertising that aims to catch the eye of the reading public not specially interested in the article advertised."—*Fame*.

REGARDING onion seed crops in California, Chas. W. Beebe, an experienced seedsman of San Francisco who has recently visited the growing district, reports the outlook favorable for a large yield; this notwithstanding recent statements to the contrary published in the *American Agriculturist*. We hope to give more definite details as to the outlook soon.

ST. PAUL, MINN.—L. L. May & Co. discharged 60 men last week. Griggs Bros. will increase their garden seed department. DeCon & Co. have removed to a better retail location with larger quarters at 62 East 7th street.

ESTABLISHED 1830.

R. VAN DER SCHOOT & SON,
HILLEGOM, - HOLLAND,

Largest Growers of

**HYACINTHS, TULIPS, NARCISSUS,
SPIRÆA, LILIES OF THE VALLEY, ETC.**

HEADQUARTERS FOR HIGH GRADE FORCING BULBS.

Wholesale Importers should write us for Prices

Our **MR. JOHN SPEELMAN**

is yet on his way back to New York and will sail for Holland May 15th next; please send till that date, all correspondence to JOHN SPEELMAN, care of Knauth, Nachod & Kuhne, bankers, South William St., New York City.

C. J. SPEELMAN & SONS,

Growers of 45 Acres of Bulbs,

SASSENHEIM, near Haarlem, HOLLAND.

VAN ZANTEN & CO.,
Hillegom, Holland,

Headquarters for High Grade Forcing Bulbs

HYACINTHS, TULIPS, NARCISSUS OUR SPECIALTY.

Prices Low! Best Quality.

Ask for wholesale price list to S. ASCHER, 16 Exchange Place, New York City.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF
FLORISTS'
Plants, Seeds and Bulbs.
NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment. SOUTH ORANGE, N. J.

A. & F. RÖLKER,
AUCTIONEERS OF
Plants, Bulbs, Orchids, Etc.
106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.
Mention American Florist.

A. V. VAN ZANTEN sailed from New York for Southampton May 8.

THE John A. Salzer Seed Co. are building a new seed warehouse.

MR. A. FORBES of Peter Henderson & Co. sailed for London on steamer Mohawk May 4.

THE SIXTH ANNUAL report of the Missouri Botanic Garden, recently received by us, contains, in addition to the business of the garden, five valuable scientific papers. It is freely illustrated, and like its predecessors, possesses both interest and permanent value.

NEW YORK.—Referring to a note published in a contemporary to the effect that he had started into the retail mail trade, Mr. E. V. Hallock states that, while it is his present intention to enter the mail trade the announcement is rather premature, as he will not make any start before January, 1896. He states further that he has firmly resolved not to touch the wholesale trade in any form whatever, excepting under greater provocation than anything he has yet experienced.



FROM JAPAN.—Bulbs, Seeds, Trees, Palms, Etc.

FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.

FROM CALIFORNIA.—Bulbs, Seeds, Trees, Etc.

Orders booked up to Dec. 1 for Cycas Revoluta Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,
(Established 1878.) SAN FRANCISCO, CAL.
Oldest and most reliable import house.

FINEST OF BULBS
AT LOW RATES.

Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc. (1000 and 10000 rates only), now ready on application.

HULSBOSCH BROTHERS, Englewood, N. J.

WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

WEEBER & DON,
Seed Merchants and Growers,

114 Chambers Street, NEW YORK.

M. KEPPLER,

Dealer in J. M. THORBURN & CO.'S

HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty. 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

LILIUM HARRISII.

Original and largest growers of this important bulb.
OUR SPECIALTY!

True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
TARRYTOWN-ON-HUDSON, NEW YORK.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

CHITTY'S NEW PRIZE CARNATIONS For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

CARNATIONS

Healthy well rooted cuttings of

	Per 100	Per 1000
Lizzie McGowan, Silver Spray, Puritan.		
Grace Wilder	\$1.50	\$10.00
Daybreak	2.00	15.00
Portia, American Flag	1.50	10.00
Tidal Wave and Orange Blossom	2.00	15.00
DOUBLE PETUNIAS —Finest white and fringed varieties, \$1.50 per 100.		
CHRYSANTHEMUMS —Finest white, pink and yellow varieties, \$2.00 per 100.		
COLEUS —Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.		
Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order.		

JAMES HORAN & SON,
BRIDGEPORT, CONN.

THE COTTAGE GARDENS, Queens, Long Island, N. Y. WHOLESALE CARNATIONS.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no Rust. Also rooted runners Lady Campbell Violets. Send for Price List.

Wm. Swayne,
P. O. Box 226. KENNETT SQUARE, PA.

LIZZIE MCGOWAN,
\$1.50 per 100; \$12.50 per 1000.

WM. SCOTT,
\$3.00 per 100; \$25.00 per 1000.

Guaranteed stock, well-rooted, free from disease, strong and stocky. Most popular Carnations on the market.

ALEX. MCBRIDE, Alplaus, N. Y.

CHRYSANTHEMUMS

Standard Commercial Varieties.

CHEAP.

HUNTSMAN & CO.,
247 Race Street, CINCINNATI, O.
WRITE FOR LIST.

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Lizzie Gilbert	\$10.00	\$75.00	Benton d Or	\$8.00	\$70.00
Helen Keller	5.00	40.00	Goldfinch	5.00	40.00
Sweetbrier	5.00	40.00	Jacquemtoot	5.00	40.00
Lazo	5.00	40.00	The Stuart	5.00	40.00
Ad. Byron	5.00	40.00	Aonie Pixley	5.00	40.00
Uncle John	5.00	40.00	Buttercup	4.00	35.00
Wm. Scott	3.00	25.00	Mad. D. Albertinal	3.00	25.00
Lulu	3.00	25.00	Hector	3.00	25.00
Daybreak	3.00	25.00	Nicholson	3.00	25.00
Mrs. Reynolds	3.00	25.00	Grace Battles	2.00	20.00
Lizzie McGowan	2.50	20.00	Portia	2.00	15.00
Silver Spray	2.00	15.00	White Dove	2.00	15.00

Our stock is in excellent condition. Inspection invited.

MONEY ORDER OFFICE,
STATION "H," Philadelphia.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

Garnation Plants.

IT IS GETTING LATE,

and why buy rooted cuttings when you can get strong plants from soil. They will all grow, and make better and stronger stock.

We can give you the much sought for WM. SCOTT, free, clear pink, for \$3.00 per 100; DAY-BREAK, TIDAL WAVE, SILVER SPRAY, LIZZIE MCGOWAN, PORTIA, etc., at \$3 per 100; GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100.

Discount of 10 per cent on orders for 500 or more of a kind. All orders must be accompanied by cash. We can furnish the following new varieties of '95, mostly transplanted:

	Per 100	Per 1000
KOHINOOR, new white, large, free	\$12.00	\$100.00
ROSE QUEEN, new, fine pink variety	12.00	100.00
CORSAIR, the scarlet McGowan	10.00	75.00
ALASKA, large, white, free, new	10.00	75.00
LIZZIE GILBERT, brilliant scarlet	10.00	75.00
STORM KING, large, pure white	10.00	75.00
METEOR, large, bright crimson	10.00	75.00
BRIDESMAID, clear rich pink	10.00	75.00

GEO. HANCOCK & SON,
Grand Haven, Mich.

Mention American Florist.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

EXTRA FINE REX BEGONIAS.

Strong plants, 2 1/2-inch pots, assorted . . . \$4.00
Strong plants, 3 1/2-inch pots, assorted . . . 5.00
Also immense line of Roses Carnations and a general stock. Send for quotations.

THE NATIONAL PLANT CO.,
Dayton, Ohio.

SPECIALTIES

ALL IN THE BEST VARIETIES.

ROSES,
CARNATIONS,
CHRYSANTHEMUMS,
VERBENAS.

Rooted Cuttings and Plants. Send for price list.
WOOD BROTHERS, FISHKILL, N. Y.

Chrysanthemums

AND

Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

COLEUS, ROOTED CUTTINGS.

Finest selection fancy-leaved, old and new, \$5.00 per 100. Reds and Yellows, \$6.00 per 100. Either, 75c. per 100, postpaid. Write for special bargains on fancy-leaved cuttings or plants.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

CARNATIONS

SURPLUS STOCK.

Good strong plants from the soil, ready to set out in the open ground of the following varieties, at the same rate as rooted cuttings were sold.

	Per 100	Per 1000
WM. SCOTT	\$3.00	\$25.00
DIAZ ALBERTINI	3.00	25.00
UNCLE JOHN	5.00	40.00
THE STUART	5.00	40.00
GOLDFINCH	5.00	40.00
E. A. WOOD	5.00	40.00

And a limited number of the two new varieties, METEOR and BRIDESMAID.

FRED. DORNER & SON,
La Fayette, Ind.

CARNATION.

Well rooted cuttings and perfectly healthy; if they are not you can ship them back and have your money returned.

LIZZIE MCGOWAN . . . \$1.25 \$9.00
VIOLETS, Lady Campbell, well rooted runners, free and clear of disease \$1.25 per hundred; \$10.00 per thousand. Cash with order.

PETER BROWN, Florist, Lancaster, Pa.

CARNATIONS.

Strong and healthy rooted cuttings of the following ready now:

	Per 100	Per 1000
5,000 BUTTERCUP	\$3.50	\$30.00
10,000 LIZZIE MCGOWAN	1.50	12.00
10,000 TIDAL WAVE	1.50	12.00
15,000 DAYBREAK	2.00	15.00
15,000 PORTIA, 15,000 SILVER SPRAY	1.25	10.00
15,000 AURORA	1.50	12.00
50,000 well rooted runners of LADY CAMP		
BELL Violets	1.25	10.00

JOSEPH RENARD, Unionville, Chester Co., Pa.

CARNATIONS

McGowan in quantity. A few thousand each of Keller, Stuart and Dorner—others all sold.

PANSIES, in bud and bloom, at \$1.75 per 100, or \$15.00 per 1000.

ALBERT M. HERR, L. B 496, LANCASTER, PA.

CARNATIONS.

ROOTED CUTTINGS OF
KOHINOOR, PURPLE KING,

and many of the standard kinds. Prices on application.

C. J. PENNOCK,
The Pines. KENNETT SQUARE, Chester Co., PA.

NEW AND TESTED CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD,
ELLIS, NORFOLK Co., MASS.

For Cut Carnations,

ADDRESS

JAS. E. ROBERTS, Middletown, Conn.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

News Notes.

WILKSBARRE, PA.—I. G. Marvin is fitting up a magnificent florist's store on Franklin street.

SIoux CITY, IA.—Crop prospects in this section could not be better, and outlook for spring trade is excellent. J. C. Rensson is away on a business trip to Grinnell.

PEKIN, ILL.—Trade so far this season is much better than last year, and hope it will keep up. G. A. Kuhl is adding 6,000 square feet to his plant, giving him a total of 26,000 square feet.

HAMMOND, IND.—This city is to have a new park. The location being considered is within walking distance of the business center and comprises 20 acres of land admirably adapted to park purposes.

BRIDGEPORT, CONN.—It is now virtually settled that the beautiful tract of land situated on the east side of Clinton avenue, which has been leveled off and sown with grass seed, is to be made a public park.

PEORIA, ILL.—The mayor-elect was formerly chairman of the park board and as he is thoroughly in sympathy with the park movement it is believed he will use all the means in his power to carry on the park improvements successfully.

EAST BRIDGEWATER, MASS.—Thomas Hooper, for many years a leading florist of Bridgewater, died at the residence of his daughter May 1, at the age of 89 years. He has attended every meeting of the Plymouth County Agricultural Society during its seventy-five years of existence.

NEW ORLEANS.—The Lower City Park, which was a few years ago but a mere pasture for stray cattle, has been so improved as to be a credit to the city. The old marsh has been converted into a beautiful lake and the grounds beautified until now they are a popular resort of the people.

TAUNTON, MASS.—Easter trade and retail prices were about the same as last year. Supply was equal to demand and quality good. Sales of plants equalled those of last year. The leading demand was for lilies. It is rumored that Mrs. Lyman Briggs is selling out and will retire from the business.

COLUMBUS, O.—Gus Drobisch has had an excellent demand for Otaheite oranges, the call coming mainly from the south where the severe winter did such havoc among tender plants. The officers of the Franklin Park Floral Co. are Albert Knopf, president; John Siebert, vice-president; Capt. M. C. Lilly, secretary and treasurer; T. M. Lilly and Geo. Schmelz, directors. John Hellenthal has as clean a lot of plants in his new rose house as can be seen here.

OMAHA, NEB.—The last payment by the park commission on the purchase of Riverside Park not only exhausted the \$400,000 park bond fund voted three years ago, but left an unpaid balance of about \$12,000, for which the city council provided from another fund. No more bonds will be voted or issued for the purchase of parks this or next year; probably not for a number of years, but fortunately neither the development or even the extension of the Omaha park and boulevard system need be arrested on that account, as two public spirited citizens have made liberal offers of assistance.

DREER'S OFFER OF One Hundred Thousand Dwarf French Cannas.

We are now sending out a very fine lot of Cannas in strong, well-established plants in 3-inch pots.

REMEMBER these are not freshly divided plants out of moss or soil, but well established in 3-inch pots and will make a display at once.

- | | | |
|--------------------------|-------------------------|----------------------|
| Alphonse Bouvier | Deull de St. Grevy | Mise Sarah Hill |
| Chas. Henderson | Explorateur Crampel | Neille Bowden |
| Madame Crozy | Edward Mlex | Orange Perfection |
| Paul Merquant | E. Chevreul | Professeur Gerard |
| Admiral Gervais | Edward Michel | Princess Sussiguan |
| Antoine Crozy | F. Neuvessel | Paul Sgrist |
| Admiral Courbet | Francois Courbin | Plorette de Biorlet |
| Baron de Sandraos | Francois Malre | Perfection |
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Extra fine plants, in bud and bloom, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1 per 100; \$8 per 1000 NO RUST OR MILDEW.

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We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

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| Acalypha Macafeana, 2 1/2-inch pots..... | \$5.00 |
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| Rooted Cuttings..... | Per 100 \$.60 |
| From 2-inch pots..... | 1.50 |
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M. MESNIER.—(Medal awarded). 3 1/2 feet, dark green foliage, sturdy growth, flowers large, petals wide, color salmon, slightly dotted and streaked with red, which is deepest in the center of the flower. Petals are bordered with a narrow rim of yellow which is irregularly wider on the ends, often 3/4 to 1/2 inch wide. Each, 75c.

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Who want a beautiful collection of fine colored and large flowering Begonias, take a trial with Daudey's First-Class Begonias. Splendid bulbs, measuring 5 to 8 inches in circumference.

- SINGLE BEGONIAS—White, yellow, orange, bronze, scarlet, rose and cream. per 100 \$ 4.00
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PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Toronto.

Times have been rushing lately with those in the trade who have anything to do outdoors; the weather has been exceptionally fine and dry for the last two weeks, and moderately warm, so fine that one was tempted to rather neglect greenhouse work in order to remain in the open air, which one enjoys all the more after having been shut up so much during the long winter. The retail trade has not been so lively since Easter week, though there has been nothing really to complain of; it might have been better of course, but the hard times are probably teaching us to be thankful for small mercies, and larger ones in proportion. Easter lilies have been plentiful since Easter, and those who have them to sell are thankful if they can sell them at all at any price. Some of them have actually sold at fair prices considering that they were after date. There are some magnificent roses coming in now, some Bridesmaids of Dale's seen at Tidy's the other day were simply exquisite. There are lots of very ordinary roses coming in too, which one sees exposed in the butchers' and grocers' stores at 5 cents each, 3 for 10. I don't think this kind of thing hurts the regular florist much; perhaps after all it may in the end increase the demand for good flowers. Trade at the market on Saturday was pretty good for flowering plants of all kinds in season; there was a fine show on most of the stalls, and those of the crowd passing by were hard up and hard hearted indeed who could resist the temptation of buying one or two for their house windows. I dare say that if the fine weather continues some will be even tempted to plant out soon, but the experienced ones will not plant out until after the 24th—the Queen's birthday—some even wait till the beginning of June.

Miss Cullen, until lately at Tidy's King street store, has left Toronto to start business in the ambitious city—Hamilton. Good luck go with her.

One sees very little of one's conferees at this busy season of the year, consequently there is a dearth of interesting local horticultural tid-bits, but I notice that the FLORIST manages to keep on issuing some extremely interesting numbers all the same.

An Arboreal Land Owner.

There is a tree at Athens, Ga., which is a property holder. In the early part of the century the land on which it stands was owned by Col. W. H. Jackson, who took delight in watching its growth. In his old age the tree had reached magnificent proportions, and the thought of its being destroyed was so repugnant that he recorded a deed conveying to it all the land within a radius of eighty feet of its base.—*Chicago Mail.*

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Waterproof Paper, are sold as follows:

Terms—Net cash with order. If ordered shipped by freight, add 50 cents cartage.

Size	Packed in Crates of	Gross Weight per 1000 pots	Per 100	Per 1000
2 1/4 inch	1,000	about 20 lbs.	\$0 25	\$2 50
2 1/2 "	1,000	" 23 "	" 30	" 3 00
3 "	1,000	" 24 "	" 35	" 3 50
3 1/2 "	500	" 45 "	" 50	" 4 00
4 "	500	" 75 "	" 60	" 5 00
4 1/2 "	500	" 110 "	" 90	" 8 30
6 "	500	" 150 "	" 1 50	" 13 35

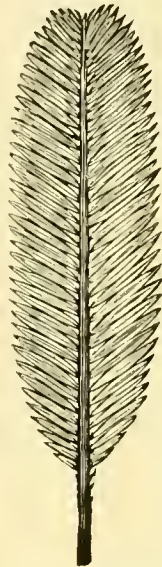
Standard Pot Measure.

Less quantities than full crates at 100 rates.

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OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

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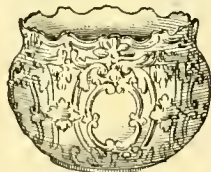
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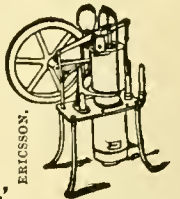
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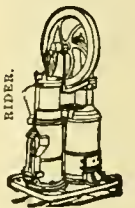
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Made up, nailed or lock cornered; or material cut to size ready to be nailed up at destination.

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1/4, 5-16, 3/8, 1/2, 5/8, 3/4, and 7/8-inch square cut to lengths wanted.

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VASES,
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What does?
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WHERE THIS NOZZLE IS USED.



CHILD'S RAIN MAKER

Throws a powerful spray at such an angle that spraying the underside of the foliage is no effort at all. It is simplicity itself but "gets there" every time. It is well made of polished brass and will last a lifetime.

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MR. P. M. CHILD.

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Sorry we did not have them sooner.

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Price \$1.00 each, prepaid. Try one. You will find it the most useful and valuable appliance you have ever had.

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Will let you hear from us later in regard to lumber.
Yours truly, ELLIOTT & ULAM.

Green-House Material.

The finest **CLEAR CYPRESS** used.

For circulars and estimates ADDRESS

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THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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For sale by all Seedsmen. No florist can do without it Cheap, practicable and indestructible.

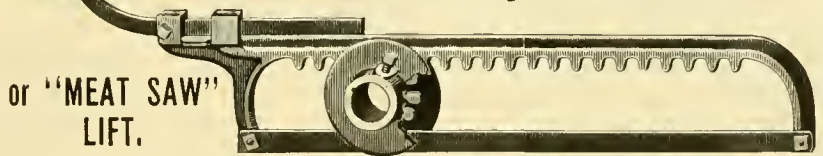
35 cts. each, or \$3.50 per dozen.

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This preparation is a sure destroyer of the **Scale, Woolly Aphis and Insect Pests** of any and all descriptions. It may be as freely used in the conservatory, garden and greenhouse as in the orchard or vineyard. It is non-poisonous and harmless to vegetation when diluted and used according to directions. It mixes instantly with cold water in any proportion. It is **Safe, Sure and Cheap.** No fruit grower or florist should be without it.

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Patent Plant Sprinkler

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Hamilton Sash Lifters

are the most Economical in the World. Many thousands in use. Send for price and reference.
HAMILTON, No. 5 Sydney St., Dorchester, Mass.

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Cleveland.

The Gordon Park Greenhouses have assigned. They were the property of Mr. Harry Gordon, and were managed for him by Mr. John Miller. Mr. W. J. Gordon, the grandfather of the present proprietor, was a great enthusiast in all matters pertaining to floriculture. Many florists will remember the old belief that it was impossible to grow roses under glass in the region about Cleveland, and make a financial success of it. Mr. Gordon had no faith in that superstition, and backed his own opinion with good money. He put up the first houses of any size that were intended exclusively for the forcing of roses. They were two in number, and the financial success of the venture was so immediate and complete, that four or five more were added the following summer. For several years, while rose growing was in its infancy everything went well. Then came the time of close competition and low prices, with the consequent diminution of profits. Upon Mr. W. J. Gordon's death the houses fell into the hands of the present owner, and we have once more a demonstration of the correctness of the belief that under ordinary conditions, the greenhouse business is an excellent one for the inexperienced to let severely alone.

Mr. and Mrs. Wilson of the south side are happy in the possession of a little daughter.

As far as business is concerned, matters have settled down to the usual humdrum round. Some funeral work, an occasional wedding, a social function once in a while and the usual everyday flower buying, keep things moving. Those who grow bedding stock are hustling around getting their stuff into inviting shape for the party who wants "a few things to brighten up the yard." This individual is all right usually, when of the male persuasion, but when a formidable female, who knows a place where she can buy pansies for twenty cents a dozen, looms up before the florist's vision, there comes a sudden tendency toward fatigue on the part of the hapless flower man.

Prices on pretty much everything are pretty shaky just now, owing probably to the abnormally hot weather, which has brought every thing forward too fast, while the demand has been, excepting for two or three spurts, slightly below the ordinary. A.

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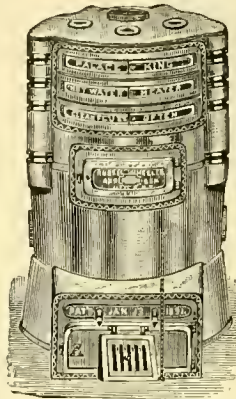
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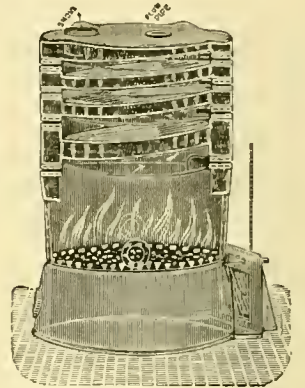
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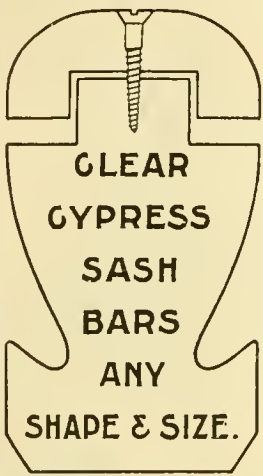
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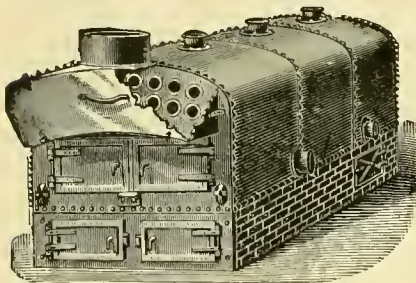


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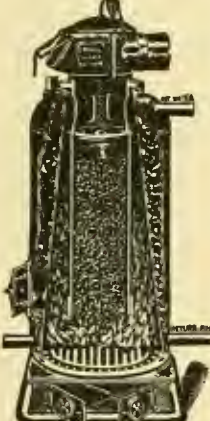
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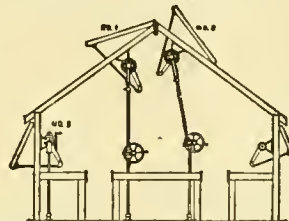
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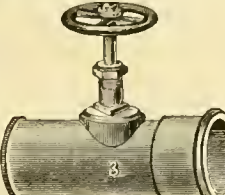
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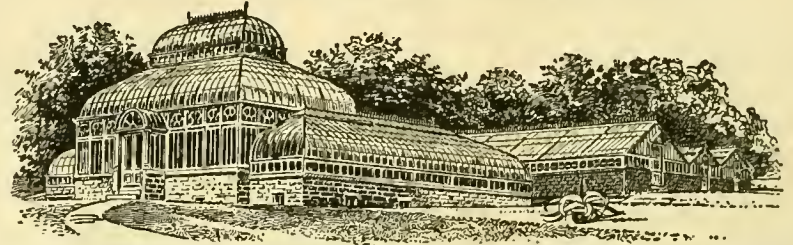
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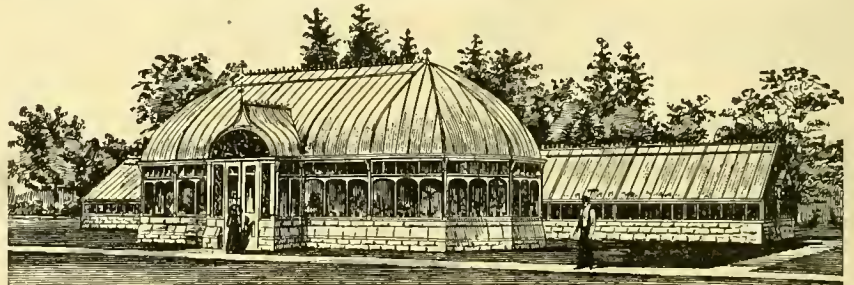
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A Crawly Story.

The New Orleans Picayune is responsible for the following:

Among the strange stories told about the wonderful things to be found in Australia there is one of crawling leaves. English sailors first brought an account of this phenomenon. They were roaming along the coast when a sudden breeze shook down a number of leaves, which floated gently to the ground. The sailors were surprised at this shower because it was not the fall of the year, but midsummer, and the falling leaves looked fresh and green. But this was nothing to what followed. After a short rest these leaves began crawling along the ground toward the tree from which they came. The sailors were too much frightened to stop and investigate, and one of the men said, in relating the adventure, that he expected every minute to see the trees step out and dance a horn-pipe. Fortunately other travelers were not too much frightened to stop and examine the matter. It was discovered that these queer leaves are really insects which live upon the trees and are of the same color as the foliage. They have very thin, flat bodies, and wings shaped like large leaves. When disturbed by a breeze they fold their legs under their bodies, and then the leaf-like shape, with stem and all, is complete. Not only are they bright green in summer, like the foliage of the trees at that time, but they actually change like the leaves do to the dull brown produced by frost. Another peculiarity of these insects is that when shaken to the ground they seldom use their wings. After lying there for a few minutes, as though they were really leaves, they crawl to the tree and ascend the trunk without seeming to know that they have the power to get back to their quarters in a much easier and quicker way.

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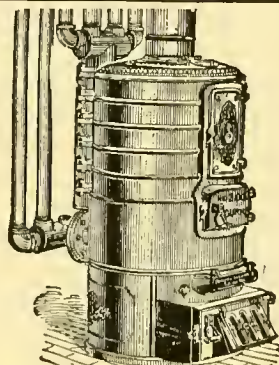
We have room for the addresses of only a very small fraction of the large number of satisfied users: Michigan Agricultural College Greenhouses, Lansing, Mich.; S. G. Johnson, Hutchinson, Kas.; So. Denver Floral Co., So. Denver, Colo.; Los Angeles Park Conservatory, Los Angeles, Calif.; Luther Armstrong Kirkwood, Mo.; J. H. Empson, Longmont, Colo.; N. H. Spafford, Milton, Mass.

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Vol. X.

CHICAGO AND NEW YORK, MAY 18, 1895.

No. 363

THE AMERICAN FLORIST

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P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 30, 21, 22 and 23, 1895.

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CHICAGO.—Mr. W. N. Rudd is very ill with peritonitis. His life was at one time despaired of but he is now improving though not yet out of danger. Mr. Dawes of Dawes & Whittaker, Rogers Park, was married in Brooklyn, N. Y., last Wednesday, his bride arriving from England on that day. The couple left for Chicago the same evening.

SIoux CITY, IA.—The Smiths Villa Greenhouse and Nursery Co. has been incorporated with capital stock of \$5,000. The incorporators are Wm. Smith, H. A. Smith and E. J. Stason.

DAVENPORT, IA.—The Tri-City Florists' Club has issued a premium list for its second annual chrysanthemum show to be held in this city November 12 to 15 next.



Pot Roses for Spring Trade.

I am often asked how these should be treated to get nice thrifty plants suitable for selling as pot plants in bloom for Easter and onward, and as this is the season when preparation must be made for next year I venture to give the mode of operation which I have followed for some years with success:

To get nice, saleable plants in bloom for Easter take good, clean, healthy plants now in not less than 3 inch pots; if to be had in 4-inch so much the better. Pot these up into a larger size, giving them a fairly liberal shift, if 3-inch put them into 4-inch, first putting a few pieces of broken potsherds in the bottom of the pot to insure ample drainage. The compost for potting should be a good friable loam with about one-sixth or one-seventh part of thoroughly decomposed manure; screen the whole through a 3/4-inch mesh screen, then pot the plants firmly. If the space between the ball of the plant and the pot is too narrow to allow the fingers to press the new soil firmly use a thin stick to ram it solid, being careful not to bruise the roots on the outside of the ball. When repotted place the same in an open airy part of the greenhouse, where they can be fully exposed to the sun. Do not water too heavily at the roots till the new roots begin to start well into the new soil, but syringe them freely overhead at least twice daily in bright weather. Under this treatment the roots will fill all the new soil in about four weeks, then they should be repotted into the pots they are to occupy for the balance of the year. The size of these must be regulated by the strength of the plant—usually 6 or 7-inch is amply large enough. When they get their final shift they should be kept in the greenhouse for three or four weeks longer, or till the roots have fairly well taken possession of the new soil. But before this final potting is done the pots must be well drained, and they must be very firmly potted this time. Treat them just the same as before. By July 1 they should have made good strong growths and be ready to place out of doors. Before doing this select a piece of ground convenient to water and where the sunshine will be unobstructed. Cover this with coal ashes to the depth of at least two inches to keep worms away. On this stand the plants, allowing sufficient room between them for free

circulation of air. Fill in the spaces between the pots with coal ashes, sand, or some similar material to within one inch of the tops of the pots. It is best to plunge them in beds of not over five rows in each bed, leaving a space of at least two feet between the beds for easy access to weed them, water, etc. For the first few days after they are placed in the open air if the sun is bright they will need syringing overhead three or four times a day to prevent flagging and burning of the foliage, but after three or four days in the open air they will stand all the sun and wind without damage, always providing they have sufficient water at the roots, and one good syringing overhead daily; in moist weather they will not need either. The plants can stand in this position till fall; then, should heavy rains occur it would be advisable to lift a few of the strongest and greenest looking plants out of the ashes. If the roots are pushing freely through the bottom holes they should all be lifted out of the ashes just enough to break off any roots that may have pushed through. This is to prevent their starting new growth on top, which must be avoided, the object being to let the plants thoroughly ripen the wood they have made during the summer. After the middle of September they should not be watered too liberally, as the cooler nights with generally heavy dews will give them considerable nourishment, particularly as they will not be making so much new growth at that season, and a gradual rest is very essential to them. As soon as the temperature falls below 26° or 27° they should be placed under cover—a cool, dry cellar or a cold greenhouse facing north is suitable for this purpose. If the cellar or shed or similar place is used for storing they should not be subject to cold, strong drafts, or the wood may suffer in consequence. The wood must be kept plump and solid during the winter and perfectly dormant.

The time of pruning them must be regulated somewhat by the conditions they are to be placed in the greenhouse. To obtain the best possible results, i. e., a nice bushy plant with good sized and well finished flowers, requires about twelve weeks from the time they are put into the greenhouse. The best temperature to start them in is 46° to 48° at night, with plenty of air during mild days, and when the sun is bright they should be syringed lightly, but enough to moisten all the wood at least twice daily. Continue this treatment with a gradual rise in the temperature of about two degrees every eight or ten days till the buds are set.

When they are first brought from the cold storage to the greenhouse the soil in the pots will undoubtedly be very dry, in that case a little of the old surface soil should be lightly scraped off with a blunt stick and a little fresh soil and manure—about half of each—mixed up and put on

the surface of the pots, and the whole should have a good soaking of water. Oftentimes it will take two or three good waterings to thoroughly moisten all the soil, after they should be watered only when required. When the buds are well formed a weak liquid manure can be applied once a week till they show color, after that only clean water should be given, and all overhead syringing must be discontinued, or the flowers will be spotted. Of course all greenfly, mildew, etc. must be kept in check. The plant when offered for sale must be a thing of beauty, and with a little care and a little common sense it is a very simple matter to have them so with the wide range of color at command.

The rose offers peculiar attractions for Easter and all other decorations. The following varieties are the easiest to manage and the most sure to give good results. After having tried these the list can be increased to almost any extent:

PINK—Anna de Diesbach, Baroness Rothschild, Magna Charta, Mrs. John Laing.

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RED AND CRIMSON—General Jacqueminot, Paul Neyron, Ulrich Brunner, Susanna Rhodocanachi.

Clothilde Soupert, Souvenir de la Malmaison and La France are also well adapted for this purpose, and are really grand things. JOHN N. MAY.

Damaged Rose Cuttings.

ED. AM. FLORIST:—My rose cuttings, Perles and Brides, are not doing well, and I cannot understand it, the soil being what we always use. I used a layer of ashes and cinders in the bottom of the bench; do you think this is the cause of the trouble? J. M. Illinois.

I have carefully examined the sample of cuttings from your correspondent, J. M., under a strong magnifying power. Their roots have the appearance of having struck something which was not congenial to them in the propagating bench, as nearly all the roots were black or nearly so, and all the soft succulent matter which constitutes a vigorous healthy young root was to all appearance dried up, though the tops were still fresh and green when they arrived here. If your correspondent wishes to try them I would advise him to wash the roots off quite clean, pot in small sized pots, not over 2-inch, using clean fresh soil. If they start off freely they will soon make a new set of roots, and possibly may entirely outgrow their present diseased condition, though at this late season the chances are rather against their making the most desirable stock for planting. Your correspondent speaks of having used coal ashes to some extent; every once in a while somebody claims there is a benefit in using them. Personally I have never found it so; on the contrary coal ashes in any form near the roots of roses are positively injurious in my experience. Any one wishing to test this for his own satisfaction can easily do so by crocking a few pots with cinders that have not been washed and an equal number with clean broken potsherds. Pot vigorous plants of equal size into each, treat both alike, and in a short time the difference in the plants will tell the tale for itself. Three months after those in the cinder drained pots may do for the fire, at least that has been the experience of JOHN N. MAY.



Carnation Notes.

Mr. Crouch informs me that he has a wager pending with a neighbor to the effect that plants which he received are Grace Wilder; his neighbor says they are not, and as Mr. C. describes the flowers on his supposed Wilders as quite large, very late and habit of growth of the plant resembling Hinze's White, I guess he can settle the bet by putting his hand in his pocket and drawing therefrom the amount. Lucky is the man who did not sell Mr. Crouch the Wilders, but there are strange things happening in plant life, and things have transpired no less curious than that the plants received by Mr. C. were Wilders when they were propagated and that a change of soil and climate effected an entire change in their nature. When I look back upon the change of the old sort Peerless, which we received from a grower in New Jersey some twenty years ago, to an entirely distinct variety after one summer's growth no sporting freak seems impossible. Even the foliage was changed, and the flower, while still remaining variegated, was of an entirely different form and color. Therefore it is possible for the Wilders purchased by Mr. C. to have undergone a similar radical change. Wilder is an early, free and with many a continuous bloomer, whereas the plants as now growing with Mr. C. are described as just the opposite.

While we are on this subject of sporting I would suggest that it will be well for all of us who have purchased new sorts to make due allowances for any changes which novelties may make in their habits during the next year. A seedling which has shown remarkable qualities with Mr. A. may be valueless with Mr. B., and still the places of these two men are but few miles apart, and right here comes in the point advocated at Boston, that all novelties be sent to different localities for trial before dissemination, and I am pleased to note that several growers (myself among the number) that intend placing upon the market novelties next year have adopted this plan. This gives us a chance to decide to a certainty the quality of a novelty, and where this year we have bought in lots of fifty we can hereafter buy by the thousand.

Purchasers of new sorts should not condemn a disseminator hastily, for the reason that all seedlings of whatever class of plants are apt to vary to a considerable extent until their characters have through very careful selection become fixed. And it must also be noted that a disseminator will endeavor to grow his novelties so that the flowers, when placed upon the exhibition table, will attract as much attention as possible, and they might not prove as fine with every one; then again some of us may beat the originator; such things do happen.

New points in diseases are coming to us all the time. Now, I have always ascribed stem rot to lack of drainage or insufficient watering; be this the cause or no I advise every grower who has a case of this kind to throw out affected plants at once, for the disease will spread, not very rapidly at first but surely, and later on

quickly. I noticed a case of this kind in McGowan, and left the plant purposely to watch developments. Twenty plants in the vicinity of the one first affected have contracted this fungous disease, and it is now necessary to throw out over one hundred; rather an expensive test, but the value to me in the future will be great, for I now believe I understand the trouble, and that the only cure is not only to remove the first plant which shows the disease, but also a number of the adjoining plants and the soil as well. This disease I believe to be far more troublesome than rust. CHARLES H. ALLEN.

House of Daybreak Carnations.

The accompanying engraving is from a photograph of a house of Daybreak carnations sent us by Mr. L. E. Marquisee, of Syracuse, N. Y. Mr. Marquisee writes: "The side benches were planted about the middle of November from the field. The middle bench was planted the first week in December, the plants having been lifted from the field and potted previously. The plants were large and healthy. We did not keep any record of the number of flowers cut, but the number has been very large. Several traveling men who saw the house said it was the best they had seen in their travels."

Cannas.

BY J. IVEIRA DONLAN.

[From paper read before the New York Florists' Club May 13.]

It is not my purpose in this paper to dwell upon the early history of the canna, only to observe that the material for the production of what are known to us as French cannas were first brought from South America.

It is not the only instance where foreign appreciation and development of American flora has resulted in awakening us to some effort. It is gratifying to note, however, that in cannas, as well as in other flowers, we have succeeded in raising a higher standard of excellence by the recent introduction of American seedlings, which for beauty, size, and brilliancy greatly exceed those raised by any other country.

Notwithstanding the fact that we have been for years cultivating what are still first-class cannas, it is surprising to note what little is known about them, or to what small degree they are appreciated, not alone by the general public, but by the retail florist. It is strange, but nevertheless a fact, that not over 20 per cent of the retail florists of this great city know what a canna is like, and perhaps less than half that number would be able to name any particular one at sight. We must excuse the ignorance of the public where they are never enlightened, and the retail florist, as well as the grower, can never expect to be other than ignorant while he ignores the great progressive and educational factors—the florist clubs of the country.

We find the retail florists of the cities content to trudge to the market day after day, year after year, to purchase the same old 25 of a kind of roses, a few bunches of violets, bulb stock and greens. How few of them ever go out to the grower and investigate the possibilities of hybridization, or encourage the cultivation of meritorious novelties? Almost daily in every florist store the question is asked by some particular customer, What is the latest in flowers? What have you got that's new? How few are able to intelligently answer the question, or suggest a way out of the same old rut? These florists seldom read



HOUSE OF DAYBREAK CARNATIONS.

a trade paper, and never consider the florist club as a school where they could receive a much needed education.

The introduction and development of cannas when intelligently considered and reviewed will be found to mark one of the greatest and grandest achievements in modern floriculture! They have given to Flora her most brilliant gems—great dazzling beauties which produce such impossible effects wherever shown; they furnish the spectacular views in Nature's most beautiful scenes; by their innumerable shades of coloring they present an unequalled galaxy of splendors not even surpassed by the rainbow's tints. They give us colors not possessed by any other class of flowers. The autumnal setting sun rays may be seen in a mass of the different kinds; then again they appear like flocks of gorgeous butterflies fluttering in the summer breeze! Why should such flowers remain so long without recognition, or the proper application to what they are especially suitable for—the highest elements of decorative art, which is continually demanding newer materials. Every art has its distinct branches, and floricultural art, which is really the first and greatest incentive to every fine art, should be elevated wherever possible by the proper use of newer methods of application. In cannas we have all the colors necessary to produce the most daring and ingenious combinations.

It has always been surprising to me that they have not been more generally used for parlor and table adornment, as they make a magnificent table decoration when arranged in small bottles of water in a basket of adiantum or croton, or autumn foliage. Take a large vase, trim it in asparagus or autumn foliage, and fill it with a mass of any of the improved cannas, and it will dim the luster of any other

flower for room decoration. Every private gardener, whose duty it is to supply the table with effective cut flowers, should know the great value of good cannas. All during the hot summer they furnish him with abundance of blooms, grandly imposing in the garden, unsurpassed as a summer flower on the table! Many of the dwarf varieties, such as Crozy, Eldorado, Pierson, Columbia and Sunshine, are specially adapted for pot culture. They produce more flowers than any other similar sized plant, and are most effective for conservatory decorations. There is nothing to equal them for sub-tropical bedding. By supplying at once the foliage and flowers necessary to produce the best effects, they have driven into obscurity many other varieties of plants of lesser merit. They are easily cultivated, thus furnishing the cheapest material for garden decoration, for one canna is equal to six geraniums, or a dozen of numerous other kinds of bedding plants.

They are best started from single eyes in 3½ inch pots, from early in April till the middle of May. Early in June plant them in good rich soil, and give them plenty of water under the foliage, preferably after sundown. The canna is almost a semi-aquatic, and will grow in poor soil if given plenty of water, even better than in rich soil with less water. The height of most of them will depend much upon soil, treatment, etc.

When the plant commences to flower, a little care should be used in watering, as they are apt to go into too much growth, which will prevent them blooming until late in the season. I have found that an occasional light sprinkle on the flowers will add much to their substance and brilliancy, and it is often necessary to syringe the foliage in order to keep it clean. Under the most ordinary treatment they will

supply a great profusion of flowers from July till cut down by frost, when they should be taken up and placed on a cool surface under the greenhouse benches, or in a cellar where frost cannot reach them.

When bedding out, it is always best to group each color wherever possible, in separate beds; there is nothing so grand as circular groups of these gorgeously brilliant flowers, the scarlet, the intense crimson, the yellow, the orange, the apricot, the vermilion and the numerous mixed colors to be had.

The greatest care should be used in selecting standard varieties which possess great merit; don't depend entirely on catalogue pictures, for many inferior flowers are given the most elaborate descriptions. Our catalogue composers should be more honest in their descriptions; many frauds are committed by these false portrayals, that in any other business would be considered on a level with the green goods system of robbery. This dishonest practice could and should be made impossible by the formation of a committee of experts who should pass upon every flower before it is disseminated.

Another bad feature, and one that tends to retard the advancement of higher grades of flowers, is the habit of large growers and seedsmen in flooding the market with old and inferior varieties. It is as easy to grow a good canna as it is to grow a poor one. And why do our catalogues contain long list of varieties no longer equal to the popular standard? Let us be progressive, encourage greater advancement by discarding, wherever possible, the poorer kinds; by keeping on the market only the very choicest varieties we will add to their popularity and increase their demand.

Many of you remember the display of cannas made at the World's Fair, but

very few are acquainted with the enormous amount of fools' red tape connected with it. Flowers were forbidden to be grown on any section of the grounds but that of the isolated island. It could never be explained why; the only reason given was that the flowers might draw attention from the architectural features of the buildings. If this be the reason for the stupid, ignorant laws made on those grounds, it was in a way an acknowledgment of the great charm in, and the love of human nature for flowers. For it is certain that if floricultural art had been properly represented on those grounds many of the gaudy over-rated daubs would have gone unnoticed.

Great praise is due to the exertions of James Dean, Robert Craig, F. R. Pierson and John Thorpe, whose efforts resulted in obtaining the front of the Horticultural Hall for a display of cannas, which, although grown in dry, spongy soil, with many other disadvantages, still it may be assumed they created a lasting impression on the minds of many visitors from all parts of the world!

In my review of varieties it is impossible to reach many valuable new kinds. I can only give you my opinion of those I have known and studied; and whilst there are very many worthy old and new kinds, principally valuable for peculiarities in color, still there are but few, say 18 or 24, that reach a standard that justifies a general cultivation.

For the best dwarf cannas for general use, I would recommend yellow, Eldorado; crimson, Charles Henderson; glowing scarlet, F. R. Pierson; scarlet, Mme. Crozy; orange salmon, Sunshine; cardinal red, Columbia; gold laced scarlet, Queen Charlotte; spotted orange, Florence Vaughan; apricot, Francois Crozy.

For tall bedders: Crimson, Alphonse Bouvier; yellow, Capt. P. de Sazonni; orange apricot, Helen Gould.

Purple foliaged: Cherry red, Egandale; scarlet orange, J. C. Vaughan; orange scarlet, President Carnot; orange apricot, J. D. Cabos.

COLUMBIA.—This is a magnificent canna of this year's introduction; it is an entirely new, distinct type of canna, which creates a new ideal. It is an American seedling well worthy the grand name it bears, and possessing such great merit as to justify us all in being proud of it. I well remember its advent at the World's Fair; it came with five other seedlings at a time when everything was on the rush, consequently in a department where so many imposing and apparently important matters demanded attention, this seemingly insignificant exhibit of six wee, small seedling cannas was put at one side and forgotten until very late in the season.

An improvised bed was made in a very isolated position, and the six delicate looking seedling cannas were nursed to vigorous life by plenteous watering. The first flower it gave told us that a new queen of cannas had arrived. The circumstances connected with the introduction of this beautiful flower should be a lesson to all florists who are interested in the dissemination of new flowers. Your most delicate looking seedling may turn out to be your finest flower. I have heard many who saw it then at the Fair and know its merits now express regret for not buying the plant when first exhibited. Another lesson is here taught us, that there is money in early recognition of merit, and of the adoption of proper methods of introduction of worthy novelties.

Mr. Donlan then went on to describe

with more or less minuteness the characteristics, good points and otherwise of most of the prominent varieties of recent introduction, including many of American origin. He closed with a strong plea for the canna as a desirable flower for retail florists' requirements, giving colors and effects that can be obtained with no other flower in cultivation.

Bulbous Flowers.

Mr. W. H. Siebrecht of Astoria, N. Y., is the largest grower of Dutch bulbs for the New York market. He is one of the few growers who still have faith in tulip forcing. The heavy decline in prices of tulips, amounting to from 30 to 50 per cent. on some varieties within the past two years, will have the effect of causing the Dutch growers to drop many of the more ordinary varieties, and the general introduction of the finer sorts for forcing purposes will, he believes, bring about a reaction in favor of the tulip among flower buyers. For standard forcing varieties he grows mainly the following: La Reine (also known as Rosa Mundi and Miltiades), single white, Vermilion Brilliant, single red, Rose Grisdelin, single pink, Yellow Prince, single yellow, Couronne d'Or, double orange yellow, Murillo, double pink, Imperator Rubrum, double red, Tournesol, double red and yellow and Yellow Tournesol, double yellow. Too expensive for general commercial purposes, but superb for fancy work or private establishments are Rosa Luisant, pink and white, Salvator Rosa, cerise, Ophir d'Or, yellow, among the singles, and Blanche Hatve, double white. For outdoor planting he recommends Rosa Mundi Hykman, single pink and white, Golden Crown, single yellow, General Washington, single white, Coleur Cardinal, purple vermilion, Ida, single yellow, late, Gesneriana and all the Parrots. Yellow Rose is the only double he would recommend as useful for outdoor cutting. The doubles as a rule do not amount to much for this purpose.

The drop in prices of tulips has been offset by the advance in hyacinths, which are fully one-third higher than last year. Dutch growers claim that good stock is scarce on account of largely increased demands, but the more likely cause of the advance is that the bulbs were sold last year for a lower figure than the cost of production. Dutch hyacinths are practically valueless as cut flowers in this market, but the demand for them as plants in pots and pans, especially at Easter, is very heavy and constantly increasing. There is a need for a better grade of pans than the potteries have yet furnished. Something more artistic in design would find a ready sale, and the necessity of crepe paper to hide the receptacle would then not be felt so strongly. In forcing hyacinths it is well always to calculate upon a loss of ten to fifteen per cent. of the bulbs through failure to bloom. Another bad feature which has never been satisfactorily accounted for, is that in forcing some varieties will not come true. In some cases there will be as high as fifty per cent of imperfect spikes and blooms, the process of forcing appearing to have almost completely destroyed the identity of the variety.

Roman hyacinths about held their own last year, there being not so many forced as in the previous year, when an enormous surplus had been dumped on this market, and some lots had been bought as low as \$5 per thousand. It was represented by dealers that these changed conditions were the result of a shortage, but

this was not exactly true; the difference was simply that the surplus which had come here before went last year to England.

Four years ago the daffodil bulbs abroad got frozen, and the higher prices resulting from the scarcity thus caused induced many foreign growers to go into daffodils. The effect of this increased production began to be felt last year and prices went down so that everybody bought daffodils for forcing, thus there were entirely too many on the market, and many flowers were lost, while those that were disposed of brought lower prices than ever before. The fact is that the finer single blooming varieties are more appreciated by the better class of buyers than are the double, and with the reduced prices at which the improved varieties such as Golden Spur, Henry Irving, Maximus and Horsfieldii can now be bought, it is likely that this section will be more generally grown in future. Daffodils, from their susceptibility to injury from gas and drafts, do not give satisfaction when planted in pans for store purposes, as is the case with hyacinths; twenty-four hours in a store or dwelling is apt to ruin them completely.

The last of the forced lily of the valley is now coming in. This will be followed closely by the crop from outside, and after that the cold storage stock will come into requisition. No over-production of lily of the valley is likely for next year. The dry season in Germany two years ago destroyed fully one-third of the young stock at that time, and from this cause an advance of from \$1 to \$2 per thousand in the price of pips is in effect the present season. Mr. Siebrecht grows annually half a million lilies of the valley.

Starting Cycas Revoluta Stems.

Which is the best way to start Cycas revoluta from dry stems, covering the time from arrival until one year's growth is made? C. B.

Imported stems of Cycas revoluta are received in a dormant condition, the leaves and roots having both been cut off close to the stem prior to shipment, and the first consideration is to induce a new growth of roots in order to provide means of sustenance for the new crop of leaves that should soon follow.

In preparation for this the stems should be potted up at once, using as small pots as the size of stem will permit, for instance, a stem four inches in diameter may be put in a 6-inch pot; one six inches in diameter in an 8-inch pot, and larger sizes in proportion. Some drainage material should be used in the pots, for cycas will not flourish in sour soil, though enjoying abundant supplies of water when in active growth. A rather sandy loam enriched with about one-sixth of dry cow manure or a small quantity of bone dust forms a satisfactory compost, and the soil should be rammed firmly in the pots, the stem having been placed deep enough in the soil to avoid all danger of it becoming shaky. For example, a stem one foot long should be buried about half its length.

The newly potted stems should then be placed in a warm and shaded greenhouse and thoroughly watered, a night temperature of 70° to 75° being sufficient to start them into growth, providing a proper condition of moisture is maintained. During the growth of the young leaves it is essential that the plants should not suffer from lack of moisture, for in that case some of the fronds are likely to



ANTHURIUM ANDREANUM

become permanently crippled, but it is also safest not to syringe the foliage to any great extent until it is fully expanded, for where the pressure of water is heavy the tender leaves may be badly bruised. After the new growth is fully developed and has become firm to the touch the plants may be removed to a cooler and more airy house, and freely syringed, and from this time forth may receive practically the same treatment as the ordinary species of palms that are in general use for decorative purposes.

The time required to produce a new growth on the dormant stems of *Cycas revoluta* varies greatly with the condition of the stems and the treatment given them, in some instances the young fronds pushing up in two to four weeks, while others may take an equal number of months, and in some very obstinate cases the new leaves will not appear until the following spring, even though the root growth seems to be progressing satisfactorily.

W. H. TAPLIN.

Anthurium Andreanum.

This beautiful arad was at one time, not very long ago, a very rare one, but for the past few years good young plants in 3 and 4-inch pots can be bought at about \$50 per 100. Such plants would make capital little specimens in a few months, and it is time now to bring it to the front, not only as a flowering plant for the holidays, but also for the retail trade all the year around. It certainly stands the atmosphere in a dwelling better than many of our so-called best house plants, if it only get watered regularly, with a spouging of the leaves every now

and then. We have been selling some plants within the last three years to amateurs who had no greenhouse and we were rather surprised, noticing the fine growth and healthy appearance of the plants when some of them came back to be repotted. Since then we never hesitated to recommend them for that purpose, whenever fair sized and well established plants are available. This anthurium in our opinion, is sure to give good satisfaction, for even when out of bloom (which they seldom are), the fine foliage is very attractive and ornamental. The leaves are broad, cordate, but rather pointed, of a deep glossy green, hard and leathery, and are borne on long stiff stems. The inflorescence consists of bright orange red spathe over 6 inches long and 3 to 4 inches wide, with the surface irregularly corrugated, and the spadix yellow and white. The spathes will remain on the plants for many months in full beauty, and this is one reason for them to be nearly always in bloom, because new flowers are produced before the older ones are faded. The plant which is represented in the centre of the picture has never been entirely without flowers for the past four years, having a few of them on at all times, and at certain seasons a dozen or more. I see no reason why this should not make a good useful plant for the general trade at the holidays. It propagates readily and can be grown into salable size inside of ten to fifteen months.

The canes of old plants cut up and laid in a moss bed with bottom heat like *dracæna* canes, will produce young plants for a long time, while the old stumps will be sprouting up again, and if left to grow

undisturbed may be cut down a second time the following year. After the young sprouts in the moss bed attain a little strength and have made a few leaves, they should be removed, but not with a "heel," for that would seriously reduce the quantity of the second crop of cuttings which will come on after the first crop is removed. Nearly all of these cuttings will have made a few roots by the time they are of sufficient size to be separated from the canes, and may be potted directly in a suitable sized pot, using for compost about the same material generally used for orchids. Give liberal drainage and place the young plants in a close frame until well established; after that they will do in a shady warm house, where an abundance of moisture is kept up. Here they will make progress very fast, and soon will want to go into larger pots, and in repotting them now use the same material as recommended above, with the addition of a few pieces of sod, no further decayed than just dead. When the plants are large and strong enough to flower they should be placed in a somewhat cooler house, so as to harden them off, or else they would not endure the change of air, going into a store or in a dwelling house. We make it a rule not to send out a plant of this description unless it has been hardened off in a cooler and more airy house for some weeks previous, which may be one reason of their doing so well in stores or living rooms.

Rochester, N. Y.

J. B. KELLER.

Boston.

A week of the most remarkably hot weather ever experienced at this season of the year with the thermometer in the vicinity of 90° day after day, has played havoc with all horticultural operations, outdoor and indoor. A whole month of ordinary spring weather would scarcely make a greater transformation in the outdoor aspect. Trees and shrubs which were a few days ago leafless branches are loaded with foliage and blooms; forsythias and lilacs are in full flower both at the same time, a most unusual occurrence; pansies have dwindled down to midsummer size, and the question of flowers for Decoration Day use has now assumed an entirely different character, for this is no longer a "late spring," but a very early one.

The flower business has received a complete knock-out. Even carnations, which have been such "good property" in Boston at all times regardless of the condition of the market otherwise, have had to succumb with everything else, and the once proud carnationist marches about from store to store with heavy armloads of great whoppers with two-foot stems vainly offering three hundred for a dollar. The surprise is so sudden and unexpected for him that he cannot bring himself to fully realize it, but the rose growers and others have got well hardened down to such experiences, and they accept the situation more philosophically. Even Zirgiebel admits that it is "too hot to talk about heating."

The past winter has been very severe on evergreens. Many retinosporas and other conifers hitherto accepted as perfectly hardy and reliable are completely killed, and the map of many a rhododendron bed will have to be entirely reconstructed.

The daily newspapers have been agitating the project of transforming the Tremont street mall of the Common into a flower market, "like the one by the Madeleine in Paris." Some people are never satisfied unless they are copying something "abroad."

New York.

A very small audience was present to listen to Mr. J. I. Donlan's paper on carnas at the May meeting of the New York Florists' Club, but a large gathering is out of the question at this season of the year, especially where the membership is largely made up of greenhouse men. Mr. Doulan's paper was lengthy and comprehensive, and we regret that space will not permit us to give it in full. The major part appears on another page.

A splendid display of canna blooms including a number of promising seedlings was made by the F. R. Pierson Company and J. N. May, also a vase of carnation Della Fox from Philadelphia.

Mr. Donlan presented the club with a bound copy of the report of the New York state exhibition at the World's Fair, which was accepted with thanks. The secretary was authorized to send letters of condolence to the families of recently deceased members, including one in the German language to the mother of the late G. R. Bergmann. The attraction at the next meeting will be Mr. C. L. Allen, whose subject will be "The communion of sains."

Plant dealers generally report trade as extremely good. It is in fact the best season for many years and many things are practically sold out. This is true especially of hardy roses. Two reasons are advanced. One is that the extra demand results from the severe winter which has killed off much stock all over the country; another is that many of the former plant growers have gone into cut flower growing exclusively, thus leaving a better trade for those who continue the plant business. The auction sales enjoy their full share of the boom.

Cut flower trade is in a condition of summer stillness. Roses continue to come in abundantly but there is a big proportion of trash among them and many more than can be disposed of. Boxes from some of the poorer grade of growers are frequently cast aside without even opening, and the net proceeds from this class of stock amounts to practically nothing. All varieties of flowers show the effects of the extreme hot weather.

Mr. John Scallen met with a painful accident on May 7, having been thrown from his bicycle and fractured his leg.

Mr. Theo. Roehr's condition is not as favorable as was reported, but he has undergone successfully an operation and his prospects for recovery are good.

Thos. W. Weathered sailed for the old country on the City of Berlin on May 15. He will make a six months stay in England.

Charlie Snell, formerly with Burns & Raynor, was the recipient of a daughter on May 13.

The annual meeting of the Cut Flower Exchange was held on Saturday, May 4. Officers for the ensuing year were elected as follows: President, W. H. Siebrecht, Long Island City; vice-president, Louis Dupuy, Whitestone; 2nd vice-president, Gus Schrader, Newtown; secretary, John Donaldson, Newtown; treasurer, Geo. Mathews, Great Neck; directors, John Seifert, W. H. Siebrecht, Gus Schrader, Philip Miller and Marshall Clark. A special meeting of the stockholders will be held on the first Saturday in June for the consideration of unfinished business and to declare a dividend, which will probably amount to 10 per cent.

The United States Nurseries made a fine floral display in connection with the 2nd annual exhibition of the National Sculpture Society at the Fine Arts Building, West 57th street.

John Smith, a gardener, of 518 Boulevard, was held for trial in the Harkm police court, charged with stealing pansies from Riverside Drive.

Some of the wholesalers lose quite heavily by the B. A. Elliott Co. failure.

Jas. A. Hammond has given up his store on Fifth avenue.

Chicago.

The *Evening Post* of May 14 gave the "Crape chasers" an overhauling that will undoubtedly result in making their work much more difficult in the future. The *Post* gave in detail the various methods adopted by the ghouls to obtain orders and warned its readers against listening to their tales.

The glut prevailing last week is now past, and somewhat better conditions prevail. The quantity of stuff coming in is greatly lessened and is, for the most part, extremely poor in quality. The amount of really first-class stock is limited, and hardly sufficient to meet demands, consequently prices in all lines show an upward tendency. The intense heat of last week affected roses particularly, forcing out all the buds without the plants making any more growth, and it will be some little time before they recover. In addition to this many growers ceased firing and were then caught by the extraordinary fall in temperature; consequently the plants are now very badly mildewed. It is the general opinion that in this market at least roses will be scarce and dear at Decoration Day. Good Beauties are now \$2 to \$3 a dozen and in strong demand. First quality large teas are 4 per 100; small teas 1 to 2, with an upward tendency. They are no longer quoted in lots of 1000.

Carnations also share the raise in price. Small flowers in second quality, particularly red, still sell at 50 to 75 cents; first quality are 1, with 1.50 to 2 for fancies. Daybreak varies greatly in quality, but some of this variety still sell for 2, and Buttercups, limited in quantity, bring the same price.

Outdoor bulbs suffered severely from the sudden cold weather; in localities growing for this market they were entirely cut down by the frost, so tulips and poet's narcissus have about disappeared. Outdoor valley is over. Lilac is over too, and there is now literally nothing in this line to come in. One week has worked a revolution in the trade; last week every dealer was buried under the immense stock coming in; now their counters are bare. As some growers have begun throwing out and replanting, and many are off crop, prices are not likely to decline within the next week or so.

The fakir has been in his glory for the last two or three weeks. These gentry have multiplied to such an extent that every available nook and corner in the downtown district is taken possession of. Naturally the store men, particularly those whose places of business are located in close proximity to the haunts of the fakir, are not particularly pleased with this state of affairs, and a movement is now afoot to abolish or at least restrict the operations of these street vendors, if such a thing is possible. An organization of the retail florists is to be effected, for the purpose of forcing this question to the front. A meeting which was quite well attended was held at the Palmer House last Tuesday. At this meeting an organization was effected by the members present; this body will be known as the Society of Retail Florists, and as stated above, will wage war against the prac-

tice of vending flowers on our public streets in violation of our city ordinances, the position taken by the retail florists being to the effect that the occupation of the numerous stands in front of stores along the public streets is clearly against the law, and it is toward the enforcement of this existing ordinance, which should prohibit such practices, that the special effort of this society will be directed. Legal assistance, if necessary, will be secured, a fund for the purpose being now subscribed. A special meeting of the society will be held Friday, May 17, at which permanent officers will be elected.

Floral Carnival at Santa Barbara, Cal.

In California the annual "feasts of flowers" seem to be entered into with more spirit each year. They take the form of elaborate decorations of the houses and streets and parades of floral floats and decorated vehicles. There is much good natured rivalry in designing original decorations, and that some very striking things result may be seen by referring to our group of pictures, from photographs kindly sent us by Mr. Jos. Sexton.

While the carnival at Santa Barbara is one of the most important, similar "floral festivals" occur at about the same time (during the month of April) in a large number of other California cities.

Rochester, N. Y.

As to business done the past week in the line of cut flowers, etc., we cannot say that it was very brisk, although there is a steady demand, but with nothing extravagant going on the stores will generally call trade rather slack. The warm weather has brought out carnations and roses in plenty around here, also the dandelions in lawns. The superintendent in one of our large cemeteries noticing this gave orders to have the lawns cleared of the yellow pests. The foreman in turn told one of his men to begin with the job around the large fountain near the office building and left it to the workman's own judgment as to how to exterminate the weed in the quickest manner. The man concluded that a lawn mower would do the work in short order and went to work mowing down everything, including about 15,000 Parrot tulips, which had been planted in this part of the lawn last fall, and were just showing the yellow color of the dandelion. The labor of planting these bulbs in the sod had taken a man's time over a month, and the superintendent was delighted to see them coming on so well, promising to make a grand show for Decoration Day. After the man had cut down all in that part he thought of making a clean job of it, and therefor would have to go over a second time with the mower, but the tulip leaves and grass combined obstructed the machine, and in going for a rake to gather them into heaps he went to the office, where the superintendent found out what was going on, and naturally got mad, discharging the poor fellow right on the spot and telling him not to show his face again for seven years if he wanted to preserve his life. Now there are a great many journeymen gardeners out of employment who would never make such blundering mistakes; why don't cemetery superintendents employ better help at a very moderate advance in wages? it would surely save them such annoyance.

Still he has one consolation at least, and that is the Parrot tulips would have been spoiled anyway, for last Saturday we had such a fearful hail and wind storm



GLIMPSSES OF THE FLORAL CARNIVAL AT SANTA BARBARA, CAL.

that not a tulip would have been left undamaged. I stood by the window overlooking one range of greenhouses and saw small hailstones coming down; in a few seconds they increased in size and one light of glass after another was shattered, and a few minutes after we had witnessed the most destructive hail storm which has occurred in this section for 28 years; nearly all our greenhouse establishments have suffered severely, the south part of the city getting the worst of it, and the damage done cannot be estimated, for the glass and labor of putting it in is in reality only the smallest loss. The broken glass falling into large leaved palms, begonias and other foliage plants does the most damage. The hail stones chopped off the soft and brittle stems of *Lilium candidum* in the open ground, young carnations just planted out are cut clean to the ground, and many herbaceous plants in different collections are ruined, but we hope they will break out again. A large bed of Indian azaleas was badly damaged, branches being knocked clean off. Even under a shade house of lath hydrangeas in bud or bloom got enough of it to spoil their sale. Araucarias under the same structure had branches and leaders cut off, frames of verbenas and petunias are mown off; in fact the loss under glass is as heavy as outdoors. The weather has turned to almost freezing, and although fires are kept up there is so much ventilation on the houses caused by the

thousands of broken lights that fire heat will not do much good. In some places they began to glaze Sunday; others, among them ourselves, have covered the houses temporarily with oiled building paper, tacked on here and there with strips of wood and narrow boards to ward off the cold, but still coleus, heliotrope, begonias and other soft stuff could not stand it, and may be an entire loss. There is no use in going into particulars stating the losses of different firms; those in the north part of the city escaped comparatively easy, Vick & Hill's and Wilson's having no loss at all. Salter Bros.' loss is comparatively small, but in 1888, when the last hail storm visited us, their greenhouses suffered considerably more than any others, so it is only fair that they escaped lightly this time. The storm of last Saturday extended over a larger greenhouse territory, but the proverbial hen's eggs, duck and goose eggs were smaller in some sections. Ellwanger & Barry escaped lightly, while in the immediate vicinity Schlegel's, Keller's and Will King's were damaged more than any others, but then the houses at Ellwanger & Barry's are mostly old structures, well built of course, but some of them being glazed with 7x9 and even 6x8 glass supported by heavy bars and substantial woodwork, the hail stones would strike the bars oftener than the small glass, and this is the way I account for their escape. Builders should therefore consider this ad-

vantage of small sized glass (I think it is the only one there is) if they want to build safely against hail storms.

The glass broken at Ellwanger & Barry's is less than 2,000 lights, at Salter's 800, Crosman's 1,000, White Bros.' 2,500, Kruger's 1,200, DeFries lost one-half, while our Billy King lost nearly three-fourths of all his glass, and Schlegel's between 3,000 and 4,000 lights. One of their houses had all the glass knocked out on the west side and a good one-third on the east half. They had nearly all their hotbed sash stacked up and covered with shutters, or else their loss in glass would have been considerably more, while at Keller's the sash were on the frames, and there is more shattered glass to be found here than in any other place; it will probably figure up to 6,000 or 7,000 panes. One orchid house, a lean-to, facing west, has hardly a whole light to show. Today it has been raining and cold; re-glazing on the houses was abandoned, but they are all busy mending hotbed sash in the sheds. At Little's nurseries, a few miles outside the city limits, the new greenhouses are reported to be in a very bad state, perhaps as bad as at Keller's. Other places have suffered, but the amount of glass broken is smaller. J. B. K.

SPRINGFIELD, ILL.—The Senate bill appropriating \$4,000 to the State Hort. Society has been advanced to third reading.

Philadelphia.

The very warm weather for this time of year experienced last week, followed by the extreme cold of the early days of this, has been very hard on roses particularly, and all classes of flowers have suffered more or less. The thermometer registered 92° in the shade last Saturday, got down to 50° on Monday, and there was frost in low places on Tuesday night. This sudden change put a stop to planting, which was in full swing, and some lots of plants were sent back to the growers to wait for better weather. There is no fixed price for stock now, as the demand has fallen off so much. The growers do the best they can, no reasonable offer being refused; \$5 is the highest price for large teas, the majority being sold for 3 to 4. Smaller roses go for \$2. Beauties 2.50 per dozen down to 50 cents. Carnations 75 cents to 1.50 per hundred. There is still some very good stock around. Sweet peas go at any price up to 50 cents per hundred for the best. There are quite a few gladioli to be seen, but they don't seem to meet with ready sale even at 75 cents per dozen.

The big four have sold out their business to M. Heron, who will continue the same at the old stand. This combination must have been very successful if one is to judge from appearances. David Bear is now very particular about the crease in his trousers, John Burton is soon to be off on a fishing trip in the wilds of Maine, George Anderson has had his whiskers trimmed, and that smile of Mr. Lonsdale's seems to be a trifle more dignified. All this on account of their experience with a Chestnut street store; they all now present something of a retail appearance as it were.

W. K. Harris had a sale in New York last week of palms, rubbers, etc., all by himself, his usual Philadelphia associates staying at home. He expressed himself as very well satisfied with the result. He will accompany Mr. Burton on his trip to Maine.

Robert Craig has purchased the stock of Thomas Butler's new rose, the Climbing Wootton. This variety originated with Mr. Butler two years ago. It is a sport from the well known Wootton and a plant set out on a table in one of the houses threw shoots over twenty feet long. These bloomed continuously, producing flowers if anything larger than the old variety, with stems about 12 inches long. A few plants left outside for a test and unprotected have stood the winter perfectly. This variety should prove a valuable acquisition to the list of "ramblers," as it is a continuous bloomer, while many of the best of the old sorts only flower once.

James Verner of Lansdowne is sending in some fine teas; his Mermets are especially fine, considering the weather and season of the year.

Good strong plants of Ampelopsis Veitchii are scarce in this market; here is an opportunity for some one who wants a specialty. Large plants of this ampelopsis have been scarce for years, and the demand is not likely to fall off for a long time to come.

Jacob Becker has a fine stock of hybrid roses that have been wintered in frames outside; they are now without cover and present a beautiful appearance with their healthy foliage and lots of buds.

H. A. Dreer Co. have just received a very large importation of plants from Europe, all the stock is fine and seems to have carried well. They have perfected a system of packing which works to perfec-

tion, and only where their orders are not carried out is there any loss. Excelsior is used to tie about the balls of earth and is considered much better than sphagnum. Among the plants imported are a number of kentias grown three and four in a pot, which certainly ought to be salable plants, as they are very bushy and all the leaves are perfect. A lot of araucarias, the best they have ever imported, arrived recently and by fall should make fine specimens.

W. J. Baker, the Penn Square commissioner, is branching out; a new paper cutter adorns his counter. Wm. J. does nothing by halves and a new delivery wagon can now be looked for.

On a little trial shoot the other day John Burton broke 23 out of 25, and Mr. Harris surprised the boys with his skill in handling the gun, breaking eight before a miss.

John Shellem of 17th and Tasker has a 200-foot house of carnations of which he is proud; it is planted with Daybreak, Scott and McGowan, and while looking very well at present, has been doing splendidly all winter. He is very busy at present with bedding plant trade. He buys all he wants for this work, as he says he can buy better plants as cheap or cheaper than he can grow them. When one looks around it would seem as if it would be hard work for growers to make much off this class of stock at the present low prices, 4-inch geraniums as sold as low as \$6 and \$7 per hundred, and small stock of assorted plants at \$3. \$10 per hundred used to be considered bottom for 4-inch stock; now \$8 is high, and \$6 in many cases is not refused.

The many friends of Mr. John Westcott join in presenting their hearty congratulations on learning that he is a full fledged father-in-law, Will, the only son of the Westcott family, having taken unto himself a wife.

Mr. Harry Bayersdorfer starts on his annual trip to Europe in search of novelties in his particular line; he wants to be in the front ranks when the fall trade opens up. Having arranged for passage on the Augusta Victoria, he sails on the 16th. While Mr. B. is abroad he intends taking a trip through Norway and Sweden; this we understand is a recent addition to his regular program.

Mr. Joseph Meehan of Germantown leaves for old England on the 22d of the present month for a two months' stay among the scenes of his childhood.

In the will of Miss Marie Louise Baldwin, who died a few months ago, a kind remembrance is made to her head gardener, the venerable William Joyce, who entered the service of Miss Baldwin's family in the year 1857, and has remained continuously in the same position to the present time. Miss Baldwin bequeathes the sum of ten thousand dollars to Mr. Joyce without reserve, also one thousand dollars to Mr. Joyce's son John, who has worked with his father on this place ever since leaving school. Mr. Joyce has been a member and regular exhibitor in the Pennsylvania Horticultural Society for the past thirty-five years, and he shows with great pride a silver watch, a premium won at an exhibition of this society some twenty-five years ago. The Florists' Club of Philadelphia, appreciating Mr. Joyce as a gardener and able man, placed his name on the roll of honorary membership.

Mr. Chas. Zimmer has met with a great loss in the death of his wife, which occurred on the ninth instant. Mrs. Zimmer was a helpmeet in its truest sense, having the keenest interest in her husband's welfare. The interment took place on Sun-

day, the 12th, in Holly Cemetery, Camden, N. J.

Mr. H. H. Battles has a fondness for the country, as is evinced in his recent purchase of a twenty-five acre farm at Newtown Square, Delaware Co., Pa. It is Mr. B.'s intention to spend about eight months of each year at his country place, the remaining months in the city. He has selected a most charming spot to make a suburban home, and considered by those who are acquainted with the neighborhood to be the prettiest part of the County of Delaware.

The regular monthly meeting of the Pennsylvania Horticultural Society, which will be held in the New Century drawing room, on Tuesday evening, the 21st, should prove of interest and value to its members, as papers on the following subjects will be read and discussed: "Artificial manures, their sources, manufacture and application" by Dr. Bruno Terne; "When to use plant food and what kind to use," by Prof. E. B. Voorhees, of the New Jersey State Board of Agriculture; "The soil and fertilizer" by Prof. H. P. Armsby, of the Pennsylvania Agricultural Experimental Station; "The use of fertilizer on the truck and fruit farm," by Robert Simmers. From the above program it is evident that an interesting series of discourses will be had.

The old Horticultural Hall on Broad street is a thing of the past, the old building being entirely removed. There were many many happy moments passed within its walls, as the fraternity from all over the country can testify. "Alas, alack" those happy hours have gone, but will come again in new garb and new style, in our new hall. It is believed by experts that the new Horticultural Hall will surpass any structure of the kind in this country for the purposes for which it is intended. Thus the old society will break at the roots and thrive more luxuriantly than ever.

Pittsburg.

The sudden change in the weather the past week has made many of our local florists move around pretty lively. Monday morning's frost nipped everything in the plant line that was outside unprotected. The weather still remains very cold.

The regular meeting of the club was held last Tuesday night with a fair attendance. Interest of course centers on the coming convention. Committees are at work and considerable routine work has been done. Mr. E. C. Reineman (vice-president of the S. A. F.) returned home from his six months' tour feeling first-rate and ready to do his share for the convention.

All the store men say trade is very fair. Some are a little frightened at the appearance of the "fakir" on our principal street selling flowers below the store prices, but as yet the amount of trade done by these men need not cause any alarm.

The Bowling Club meetings are well attended and some of the scores are wonderful. At the last meeting, the 9th, Henry Scherer, highest, was 267, W. R. Watson 240, Jno. Murdoch 211, Frank Ehner 206, and a lot of members scored 175 and up. We don't want to frighten other teams, but if the members of the Pittsburg club continue their good work the prospects for the Spaulding cup stopping in Pittsburg are certainly very good. It gives me great pleasure to say the arrangements for the bowling contest will be exceptionally good. The owner of the present alley has removed and enlarged

his entire outfit, and when completed it will be without doubt one of the finest to be found anywhere.

Director Bigelow of the Department of Public Works on Saturday last opened the bids for the construction of a new range of propagating houses in addition to the Phipps Conservatory in Schenley Park. Thos. W. Weathered's Sons of New York being the lowest bidders (\$32,800) the contract will accordingly go to them. The range consists of two 28-foot and seven 18-foot houses, all 158½ feet long, a center house 118 by 25 which will be used as a combination potting house and store house for decorative plants, etc., used outside during the summer. The entire range will be heated with steam and will be of the latest construction. We expect the work will be commenced at once.

There has been a nursery started at Schenley Park, with Jas. George, late of B. A. Elliott Co., as foreman.

The visitors in town the past week were W. H. Mott of H. A. Dreer, Philadelphia; Chas. Kroder, with Siebrecht & Wadley; and Mr. Boddington of the U. S. Nurseries, Short Hills, N. J. BROWN.

St. Louis.

The dark, cold weather, more like December than May, has reduced the glut of flowers, but has made roses small and with mildewed foliage. Carnations are still a glut and sell at from 20 cents to 50 cents a 100. The fakirs have been selling them for 15 cents a bunch, 25 flowers in a bunch.

The arrangements regarding a meeting place for the Florists' Club proved unsatisfactory and a special meeting was held at Mr. C. A. Kuehn's store May 9 to take up this matter again and to consider the chrysanthemum show question. The proposition submitted by Mr. Ashworth for the giving of an exhibition was not acceptable and the club decided to handle the show on its own account, providing a suitable place can be secured. Mr. W. Edison offered the club his store as a meeting place free of rent and the matter was referred to the trustees for action.

There is quite a brisk competition for the position of park superintendent.

Mr. C. Sanders, of Sanders & Beneke, has purchased a tract of land on the Olive street road, which he will use for nursery stock. He has 8,000 young trees already planted.

Thos. Carrol has gone into the chicken business. He thinks it will pay better than carnation growing.

The Bowling Club will change its quarters, the alleys previously used having become unsatisfactory through failure of the proprietor to keep them in a cleanly condition.

Shippers of cut flowers should beware of a party in Waco, Texas, who orders flowers shipped C. O. D. and refuses to accept them when they arrive. He gets some one to buy them in for him from the Express Co. for the charges and is then able to sell them on the street at fakir prices. A. Y. E.

Toronto.

Owing to the weather having been so fine and warm lately the plant trade has been pretty lively and prices have been fairly good. Indications point to a considerable improvement in this line compared with last year.

As usual many people were again too previous in getting tender plants out doors. On Saturday evening the wind

changed to the north and on Sunday night there were from two to nine degrees of frost all over the province, doing lots of damage, though more especially to the fruit crops. In one of the evening papers I see it reported that Mr. J. H. Dunlop had planted out ten thousand carnations which were much damaged, but as yet I have been unable to verify the report.

The cut flower trade is growing smaller and beautifully less every week, though not by any means from a want of cut flowers. E.

Worcester, Mass.

The burning hot days of last week shortened the life of outdoor tulips, narcissus and hyacinths, but they were not mis-ed, as everything inside is blooming very freely.

Sunday we were treated to a very sudden change in the temperature accompanied by copious rains, which we needed very badly, and the weather has continued cold and cloudy up to this writing; the thermometer dropped to 28° Monday night and some soft stuff was badly nipped.

Cut flower trade has been only fair and on account of the quantity of good flowers coming in, prices have dropped another peg. The bedding business is reported to be rather light, though it is too early to say much of this branch of the trade.

The May exhibition of the Horticultural Society was held May 9, and some very good exhibits were staged. The display of pansies was large and very good; fine tulips and hyacinths were shown and the exhibits of cut flowers and baskets was well above the average. Several gratuities were awarded for meritorious exhibits. A. H. L.

St. John, N. B.

RETROSPECTIVE.

In the FLORIST of April 13, your correspondent C., in mentioning the death of the late W. H. Jones, makes the statement that at the time Mr. Jones started the florist business it was a comparatively new industry in St. John. Such was not the case, however, and the statement makes the old members engaged in the business look back on the days of yore, and recall to memory those who really were the pioneers in the business, and who have now gone over to join the great majority.

About the year 1840 the late Mr. Harris, father of Mr. Harris, the present gardener to Mr. Hunnewell, Wellesley, Mass., started a florist business on Chipman Hill. He had but one greenhouse and did a general business in plants and cut flowers. His grounds were very tastefully kept, and he was very successful for a number of years. Thinking he could better himself he removed to Halifax, Nova Scotia, where he continued the business until he died, and where his son Herbert carried it on until a few years ago.

It must have been about 1850 that the late Mr. J. McHenry started in the business. He put up quite an extensive place on what is now known as Burpee avenue and was at that time, and for some years, the leading man in the business. After conducting the business for some years he removed from St. John, and the greenhouses were cleared off to make room for improvements. Contemporary with McHenry was the late Harry Ward. He was gardener to the late Robt. Reid, Esq., Mount Pleasant, for a number of years, but thinking he saw an opening for another florist he secured a piece of

ground at the One Mile House on the Marsh road and put up a greenhouse there, where he did quite a large business in plants and cut flowers for a number of years, but old age came to the jovial Harry as it does to all who live long enough, and he found the work too much for him, so he sold his greenhouse and retired from the business.

In the year 1857 that old veteran in the florist business, Mr. Thos. Miller (who is still well and hearty at the age of 87), leased a piece of ground on Golding street and erected a greenhouse on it. After a year or two he added two more houses to his plant, and carried on the business most successfully until the year 1882, when he retired in favor of his son-in-law H. S. Cruikshank, who has succeeded so well that during the period from 1882 up to the present date he has rebuilt the old houses, and added others, until now there is some 7,000 feet of glass. He is now speaking of building a chrysanthemum house 100 by 20 feet, this season, and also has a retail store on Union street under the management of Mrs. Cruikshank, where a large business in cut flower work of all descriptions is done. I think it was in or about the year 1860 that the late John Fisher began business on Winter street, he had two houses, but, as his work was in a great part in taking care of gardens, planting, and attending them by the season, he never had any larger place. Some 10 years ago he became heir to property in England, sold out his houses, and removed there, where he died some years ago.

Next in order of time was the late John French, whose greenhouse was on Brussels street. John had only one house, but turned out plants that could compare in every way very favorably with any stock grower about St. John. He did business for some twenty years, dying a few years ago very suddenly. The business is now conducted by his sisters and a nephew.

Now comes the late Mr. W. H. Jones, whose death was announced in the FLORIST recently. He started the florist business in 1877 at Torryburn, and opened a store for the sale of his produce on Germain street near the corner of Princess street. The fire of June 20, 1877, that ever memorable day, when the city of St. John was almost swept off the face of the earth, also burned out his establishment but nothing daunted, he started again on Germain street near the corner of Union and has been in the same place ever since. To him is due the credit of being the first to start a store for the sales of cut flowers, and the business has certainly prospered under his management, until now there is something like 5,000 or 6,000 feet of glass at their establishment.

After Mr. Jones had been in business a few years, Donald McIntosh, then gardener to D. D. Robertson, Esq., of Rothsay bought a piece of land on the Marsh road, just beyond where the old Ward greenhouse stood, and built a greenhouse, a few years later adding another. He also started a retail store on Charlotte street, but for some reason it only existed for a short time, when he abandoned the enterprise.

Wm. McLean, still a little farther out on the same road, started shortly after Mr. McIntosh, and has now a very neat and tidy place of some 3000 feet of glass, doing quite a successful business in the plant line. Some twelve or fourteen years ago, Andrew J. Stephens went into the business in a small way, and is adding to the size of his place as his trade

requires. Then there are the Peddersen Bros., working up a trade in the plant line, they being followed by Shepherd, and several others, who have small houses and do a little in the business.

The latest to enter the lists is John Cruikshank, brother to H. S. Cruikshank who comes before the public this year for the first time as a florist, but who is well known to the people of St. John, having been gardener to the late E. D. Jewett, Esq., Lancaster Heights, and latterly superintendent of the Rural Cemetery here. He has bought a cottage and about an acre of land, has one house finished and two more 60 by 16 feet under way.

Such are the recollections of the past, and when we look back and see the changes that have come in the last fifty years, we wonder what will be the state of our business in fifty years more, but we hope and trust that in the future, as in the past there will still be room for us all. ST. JOHN.

SOUTH FRAMINGHAM, MASS.—Donald McRae bought out Wm. F. Gregory on May 1.

HENDERSON, KY.—Mrs. T. R. Bonenberger has recently started in business as a retail florist here.

BARRE, VT.—The firm of Sanders & Sias has dissolved. Mr. Sanders will continue the business.

LITTLE ROCK, ARK.—The fruit and flower show of the Horticultural Society is being held here this week.

SOUTH BEND, IND.—Paul Beyer has opened a new floral store at the corner of Washington and Michigan streets.

PAWTUCKET, R. I.—Strained relations exist in the firm of Harrison & Storer. Mr. Storer has petitioned the court for a partnership receiver.

DULUTH, MINN.—McComber's greenhouses on East Third street were damaged by fire on the morning of May 4. Loss on house and stock \$1,500.

MILWAUKEE, WIS.—H. W. Koerner has purchased land corner Ogden street and Kinnikinnic avenue, where he will erect three houses, each 20x155, to be devoted to a general retail trade.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—By a practical florist, experienced in growing cut flowers for city store. Address "GROWER," care American Florist.

SITUATION WANTED—As grower and florist in commercial place; 10 years' experience; unmarried. Good references. Address FLORIST, 56 Tyler St., Boston, Mass.

SITUATION WANTED—By a first-class rose grower, propagator and general plantsman, to take charge. First-class references. Address GROWER, 10 Sherman St., Chicago.

SITUATION WANTED—By well experienced florist and gardener, competent in growing cut flowers and forcing grapes; has charge of large private place, and is well recommended by present employer; nationality Swiss, age 29, married, no children. Address COMPETENT, care American Florist.

WANTED—1,000 or 2,000 plants of Perle Roses 2 or 2½-inch, strong. R R, care Am. Florist.

WANTED—A quick, reliable young man for the mail plant business in the west. R R, care American Florist.

WANTED—Pteris tremula and Pteris argyrea 2 and 3-inch pot plants. Address NANZ & NEUNER Louisville, Ky.

WANTED—A few hundred dormant roots of Canna Star of '91. Address WESTERN, care American Florist.

WANTED—A single man to grow plants and cut flowers, and arrange designs, etc. Address with reference J. W. DAYHOFF, Hagerstown, Md.

WANTED—A few dozen canna Queen Charlotte. Address, stating size and condition, with lowest price per 100. R R, care American Florist.

WANTED—Young, single man, as assistant in growing cut flowers and general greenhouse work. None but a sober, industrious man, and giving good references need apply. State wages wanted. LEWIS ULBRICH, Tiffin, Ohio.

WANTED—Rose grower, first-class man as working foreman, for commercial place. Permanent position and good wages to the right man. Permanent references. Married man preferred. Address P. CONNELLY, P. O. Box 230, Madison, N. J.

WANTED—Single man for store and conservatory; must be good bouquet maker; salesman with some experience of forcing bulbs and vases; if you are sober, honest and not afraid of work I have a steady place at \$3 a month, board and lodging to start with. SCHILLER, 839 Madison St., Chicago.

TO EXCHANGE—Pink and white hollyhocks for Mrs. Fisher carnation plants. Address GEO. SOUSTER, Elgin, Ill.

FOR SALE—130 sash, about 1500 feet glass 12 1/2 inch wide, 100 sash bars, 750 or 800 feet 4-inch pipe, and a few thousand pots of different sizes. C. T. BRIGGS, Avoca, Iowa.

FOR SALE—3 acres fine land, city limits, opposite largest cemetery, on street car line; fine location and opportunity for greenhouse. CHAS. LAMPARTER, 718 Columbia St., Elmira, N. Y.

FOR SALE—Good greenhouse and residence in a place with 4,000 inhabitants; good trade from adjoining towns; will be sold at a bargain; poor health reason for selling. For particulars address P. O. Box 1007, Plymouth, Ind.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. Within 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business wide and established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address MARY A. MCCLINTOCK, Administratrix, W. F. DARBY, her Att'y, Harrisburg, Pa. Steelton, Pa.

TO LET.

Three greenhouses 17x100 each, one heated by hot water, and two by a steam boiler. Good chance to propagate; lots of land to do as one wishes. Stocked with Perles, Brides and Mermets. Three minutes' walk to the depot, f.c. fare to Boston. Good home trade. To responsible parties I will let it cheap. J. C. NEWTON, 7 E. Newton St., Malden, Mass.

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We take back sent for none, and claim to be the leaders in the Coleus trade, and the originators of the Golden Queen Coleus, the only good all around yellow Coleus grown. Over a hundred thousand now ready.
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Old theories are exploded. The most successful growers treat them in a common sense, practical way, and grow them more like other plants and as successfully. As we are now offering Orchids at the price of ordinary plants, thousands who have never grown them should now take them up, and not miss this opportunity as it will not occur again. Order a collection of a dozen or a hundred at once, and if left to us you will be as well suited as though you were on the premises to select them yourself.

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3,000 Mme. C. Testout.....	6.00	2,000 La France.....	3.00
4,000 Kaiserin A. Victoria.....	6.00	2,000 Daybreak Carnation.....	1.50

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GONTIER, WHITE LA FRANCE.....	3.00	25.00
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cure insertion in the issue for the following Saturday.
Address THE AMERICAN FLORIST CO., Chicago.

The American Chrysanthemum Annual.

This book, edited by Mr. Michael Barker of Cornell University, is the first attempt to give an American annual of the chrysanthemum, and it certainly has a place in our horticultural literature. The contents include a review of the past season in both England and America, the early American history of the flower, the work of the national societies of England and America, cultural notes from this country and others, talks about diseases and insect enemies, lists of the best varieties in different localities, and a list of the new American varieties of 1895. In the list of popular varieties (plants) we find Ivory and W. H. Lincoln at the head, each receiving 17 out of 23, while in the cut flower list Niveus is at the top with 18 votes, The Queen and Vivian-Morel second with 17. It is rather surprising to find Mrs. C. Lippincott with but 3 votes, Ermenilda 2 and Mrs. Potter Palmer but 1, in the list of cut flowers.

The book contains seven illustrations of new varieties, and nine portraits of prominent chrysanthemum growers. It is well printed, the only part of its make-up open to criticism being the size, 10x7½ inches, which is awkward for an ordinary bookshelf. (44 pages, price \$1, May-flower Pub. Co.)

IN PRINTING your premium lists for exhibitions be sure to include the full name and address of the secretary. A list containing a rule that entries must be made with the secretary and omitting the name and address of that officer is fatally defective.

A Blunder.

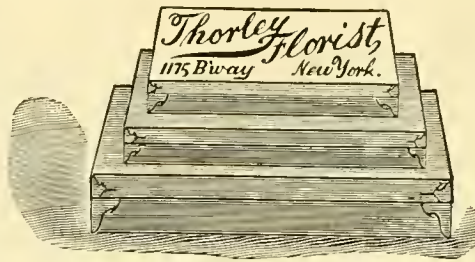
Actor Joseph Jefferson has just been elected an honorary member of the Massachusetts State Horticultural Society. This looks like a blunder; Beerbohm Tree probably was the fellow they were after.—*Chicago Dispatch.*

A Matter of Growth.

Boston is said to be the most aristocratic city in the Union on account of its haughty-culture.—*Daily Press.*

In Philadelphia.

Harris: "I'm a man of a poetical turn of mind."
John Walker: "There are others."

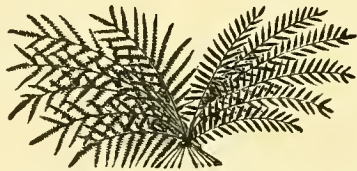
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" Testout	1.00@3.00
" Meteor	1.00@3.00
" Beauty	5.00@20.00
" seconds	1.00@2.00
" Moss per bunch	.50@1.00
Carnations	25@.75
" fancy	1.00@2.10
Valley	2.00@3.00
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Asparagus	50.00

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Asulbe, Mignonette Stock	1.00 @ 2.00
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Adiantum	1.00
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Roses, large teas	2.00@4.00
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" Beauties	10.00@25.00
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Roses, Beauties select	15.00@25.00
" seconds	2.00@8.00
" Large teas	2.00@4.00
" small teas	1.00@2.00
Carnations, common	.50 @ 1.00
" fancy	1.50 @ 2.10
Valley	3.00
Harrisll, Callas	6.10 @ 8.00
Sweet peas	.30 @ .50
Smilax	15.00 @ 20.00
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	BUFFALO, May 15.
Roses, Beauty	15.00@25.00
" Mermets, Bride, Bridesmaid	3.00 @ 4.00
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Carnations, long	1.00 @ 1.50
" short	1.00 @ 1.50
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Selling Government Seeds.

[From special correspondence of the St. Louis Globe-Democrat, April 16.]

A sensation will be made by Secretary Morton's promised disclosures respecting the sale by Congressmen of seeds bought with public money and intended for free distribution among their constituents. It appears that this business has been conducted for an indefinite period on a scale so extensive that the wonder is why it should not have occasioned scandals before now. Many members of the House have made a regular practice year after year of disposing of their entire quotas for cash to brokers. A quota is 15,000 packages. One broker offered to Representative Hatch, of Missouri, whose district is agricultural, 60,000 packages in one batch, at \$2.50 per 1,000. This is about one-sixth of their actual cost to Uncle Sam. Seeds are commonly sold directly or indirectly by Congressmen from urban districts to others whose constituencies are rural.

The man who conducted the investigation of this matter at the instance of Secretary Morton was Enos S. Harnden, buyer of seeds for the Department of Agriculture. He caused it to be known that he was desirous of purchasing seeds on his own private account if he could get them cheap from Congressmen. One broker, whose confidence was gained, entertained an impression that Mr. Harnden wished to use the seeds for political purposes, with a view of securing an election to Congress for himself. The situation was certainly unique. The seeds which Mr. Harnden had purchased for the Government at market rates he subsequently bought again from members of the House at a small fraction of their actual cost. Notwithstanding the evident profit in this enterprise, he let pass offers aggregating 100,000 packages.

In truth, Government seeds were found to be a drug on the market. Brokers had whole cellars full of them stored away in stacks. One of them offered Mr. Harnden 30,000 packages of last year's seeds at an incredibly low figure, because they were somewhat damaged, mice having got into them. Another dealer was ready to sell three full quotas at \$150 per quota—i. e., at the rate of 1c a package. But the richest case was that of a Representative whose name is withheld for the present by Secretary Morton. It will be made public soon, together with the rest of the data. The story, as told by Mr. Harnden is as follows:

STORY OF THE SALES.

"I was called upon the telephone by an official of the House. He said that he had heard that I was purchasing seeds. Would I like to buy a quota? I replied: 'What is the price?' The answer was, \$75. I said that I would close the bargain, but must know the Congressman's name in order that I might make sure that the quota had not been drawn from the Department of Agriculture. The name being given, I sent over to the seed barn and found that the quota was there all right. Having ascertained this I called up the official over the telephone and told him I would take the seeds. I asked him to get the Congressman to make out an order transferring the quota direct to me. There was some demur at this, the

official suggesting that it would be just as well that the order should assign the seeds to himself, and he could indorse it for me. But I insisted that the deal must be strictly 'above ground and honorable,' and that the order should be straight. So he sent the order in the form I requested, which was what I required for evidence. I paid the \$75 with a check to the order of the Congressman, and I now have that check with his own indorsement in my possession. Thus the case is made complete.

"Whereas there was plenty of evidence in a general way of the prevalence of this abuse, we desired to make out in complete shape a typical case in which a Congressman sold for money the seeds which were received by him from the Government for free distribution. The law expressly provides that the seeds shall be distributed among the constituents of the respective Representatives. Thus the transfer of seeds by one member to another is wholly illegal. Yet we have record of more than 100 transfers of this kind. One member wrote to the department the other day inclosing a paper which assigned to him the quota of another member. We replied that the other member had no seeds to transfer, inasmuch as he had already drawn them all out. Whereupon the applicant rejoined that he must have the seeds, inasmuch as he had already paid the other member for them. Where such transfers between Congressmen are made, it is not uncommon for the agricultural member to give public documents in exchange for the seeds of the city member. Yet the law allots the seeds to the district and not to the men representing it. They belong to the people of the district, and are not the personal property of the Congressman.

EXTENT OF THE TRAFFIC.

"Here are figures that show that in 1894 9,555,000 packages of seeds were purchased and put up by Uncle Sam for distribution by members of the House, at a total expense of \$127,708. In view of the practice prevailing, it is no wonder that Government seeds are a drug in the market. I let pass offers that were made to me of 100,000 packages of this year's seeds, merely because the evidence relating to their sale by the Representative would not have been complete. These 100,000 packages were represented by Congressmen's orders held by brokers, who offered to assign them to me. One member actually came to me to buy seeds. He was from a rural district and had not enough to go round among his constituents. He had received offers of quotas at \$8 per 1,000, and desired to know if that was an excessive price.

"The quota which I purchased for \$75 was certainly a bargain. It consisted of 14,950 packages of vegetable seeds, 1,365 packages of flower seeds and eighty-two packages of field seeds—corn, grass and clover. The total was 16,397 packages, which cost the Government \$14 per 1,000. So you will see that Uncle Sam paid about \$228 for what I got from the Congressman for \$75.

"I have had queer experiences sometimes. Not long ago we decided to buy a lot of lentil seeds, in order that farmers in this country might make experiments in growing lentils, which are a profitable and useful crop in Europe. Incidentally, it was very desirable to know something about this vegetable, in order that we might give information as to the methods of cultivating it and ways of preparing it for the table. We had no knowledge on the subject, but I learned that a certain physician in charge of a sanitarium at

Battle Creek had grown lentils and knew all about them. So I wrote to him. His reply was delayed for some time, which was not surprising in view of what I subsequently learned. Evidently he did not possess the information, for he wrote to the *Scientific American* to get it. The *Scientific American* referred the matter to its Washington correspondent, suggesting that he go to the Department of Agriculture for advice.

"Meanwhile I had been looking up lentils on my own account. I got a lot of valuable data from Vilmorin, the eminent French seedsman. In short, I had the material all ready for the correspondent of the *Scientific American* when he called. He sent it to his paper, which forwarded it to the physician at Battle Creek, without telling him where it came from. The physician thereupon sent back to me my own answers to my own questions.

REASON FOR SEED DISTRIBUTION.

"The alleged reason for distributing seeds gratis among the farmers is that they may have an opportunity to obtain new and fresh varieties, tending to the improvement of agriculture. Of course, as a matter of fact, the whole business is for political purposes solely. Congressmen find it useful to throw sops in the shape of free seeds to their constituents. Hence the enormous annual appropriations for this purpose. The appropriation last year was \$160,000. The truth is that the farmers have opportunity to get the best seeds of all sorts in the open market. Such seeds may be purchased in the stores of every city, town and village throughout the country. In fully four-fifths of the towns of a population of more than 200 there are merchants who make a specialty of garden and field seeds in bulk or in packages. There are, moreover, 152 seedsmen in the country who issue catalogues that are mailed to farmers and gardeners in all the States.

"For a long time past the department has been used as a dumping ground for seedsmen who had stocks of seeds which they were afraid to send to market gardeners or other good customers. The practice of the department until recently has been to divide up the appropriation among the seedsmen, who charged pretty much what they chose. Under the present Administration this matter has been reformed, and we purchase our seeds from the lowest bidders, requiring that they shall come up to a certain standard and be free from seeds of weeds and the larvæ of injurious insects.

"It would be an extremely useful thing to the farmers if Congress would appropriate \$15,000 for the purpose of making tests of varieties of seeds and naming them, in order that the present confusion and multiplication of alleged varieties might be done away with. The results obtained could be published in a series of farmers' bulletins."

New York.

A review of the seed trade in the larger seed houses in this city indicates that while the trade was some two or three weeks late in starting owing to the backward season, yet the increased volume of business transacted since May 1, will go well towards making up for the deficiency earlier in the season. The best that is hoped by the most sanguine dealers, however, is that when the season is finally closed it may foot up equal to last year.

The falling off is generally attributed to the backward season rather than to dull times. The tendency to economize

which is seen in the reduced size of the average order is compensated for to some degree by the larger numbers of orders received. The disastrous freeze in the south was a big help to the vegetable seed department, as most of the early orders had to be duplicated. "It's an ill wind that blows nobody good."

The demand as experienced in both mail and counter trade has been mainly for staples. Novelties have not gone with their usual briskness; in fact there have been but few sterling novelties offered this season. Specialties have given general satisfaction to those who have pushed them. Sweet peas have done unexpectedly well. The falling off in mail trade has been felt much more severely by the large houses proportionately than by those who make no special effort in this line. All agree that there has been less night work in the busy season this spring than for many years past.

The wholesale trade has been fairly satisfactory to those who have pushed it, florist trade keeping well up to the average. It came on in good season and was well disposed of before the retail business got under way, but all are glad to accept wholesale trade even though it comes at the height of the retail busy season. Some dealers advocate strongly some more general understanding whereby prices may be advanced to a reasonable extent on stock which experiences a strong demand and runs short towards the end of the season.

The department store trade furnishes an outlet for some of the dealers for their cheaper grades and refuse stock. Its effect is felt on the other hand in the transient retail counter trade. Lawn grass seed feels the competition strongly.

Houses doing a plant business as well as seed trade note that while the seed trade has had to struggle to keep up to the mark, the plant trade has fairly boomed from the start and stock is being cleaned up with unprecedented briskness.

AUGUST RHOTERT, of New York, is making a business trip through the west.

CHICAGO.—Mr. Chas. P. Braslan left on the 12th for a three weeks trip to California.

THE Thirteenth Annual Meeting of the American Seed Trade Association will be held in The Russell House, Detroit, Mich., June 11 to 13, 1895. An interesting program has been prepared, and the central location would seem to promise well for a large attendance.

VISITED CHICAGO: L. J. Clark, Frank T. Emerson and Lester L. Morse, the latter on his way home from Europe; where he has spent six weeks in England, France and Italy. He verifies recent reports of damage done to root crop carrots, turnips, and also to cabbage.

Mr. Lem Bowen and family are in Paris, where he has taken a house for a year.

Mr. Charles Dickinson of Chicago is making a European trip and was in London the latter part of April.

Rev. W. T. Hutchins of sweet pea fame will visit Mr. Eckford in England during the flowering season there, with a view to secure all possible data for his new work on sweet peas.

LILIUM HARRISII.

Original and largest growers of this important bulb.

OUR SPECIALTY:

True Stock. Lowest Prices. Best Quality.

F. R. PIERSON CO.,

TARRYTOWN-ON-HUDSON, NEW YORK.



JAPANESE LONGIFLORUMS

Why not try some of these instead of the Bermuda stock? Cheaper, and no Harrisii mix. I can deliver by Oct. 1st if I hear from you at once. Let me figure on your other wants in the bulb line.

G. C. WATSON, 43 North 10th Street, PHILADELPHIA, PA.

Mention American Florist.

VAN ZANTEN & CO.,
Hillegom, Holland,
Headquarters for High Grade Forcing Bulbs
HYACINTHS, TULIPS, NARCISSUS OUR SPECIALTY.
Prices Low. Best Quality.
Ask for wholesale price list to S. ASCHER, 16 Exchange Place, New York City.

THE BROWN BAG-FILLING MACHINE CO.,
MANUFACTURERS OF
AUTOMATIC MACHINES FOR PUTTING UP SEEDS,
FITCHBURG, MASS.

Seed Salesmen Wanted.

Three or four competent travelers by July 1. Must be first-class salesmen and thoroughly acquainted with the trade both SOUTH and WEST. Apply, stating *reference, ability and age,*

ROBERT BUIST, Philadelphia, Pa.
Mention American Florist.



FROM JAPAN.—Bulbs, Seeds, Trees, Palms, Etc.
FROM AUSTRALIA.—Araucarias, Palm Seeds, Etc.
FROM CALIFORNIA.—Bulbs, Seeds, Trees, Etc.

Orders booked up to Dec. 1 for *Cycas Revoluta* Stems. Send for our new and interesting Catalogue '94-'95.

H. H. BERGER & CO.,
(Established 1878.) SAN FRANCISCO, CAL.
Oldest and most reliable import house.

FINEST OF BULBS
AT LOW RATES.
Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.

HULSEBOSCH BROTHERS, Englewood, N. J.
Mention American Florist.

WE SELL SEEDS
Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

WEEBER & DON,
Seed Merchants and Growers,
114 Chambers Street, NEW YORK.

IMPORT PRICES
ON ALL
FALL BULBS
NOW READY.
Seasonable Deliveries
ON
Every Item.

VAUGHAN'S SEED STORE
New York: 26 Barclay St. CHICAGO: 84 & 86 Randolph St.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.

METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

AMPELOPSIS VEITCHII,
2 1/2-inch pots, \$3.00 per 100; \$25.00 per 1000
SWAINSONA, 2 1/2-inch pots, \$1.00 per 100
CYCLAMEN, dry roots, 5.00 per 100
A. L. BLACK, 415 E. Chase St., Baltimore, Md.

St. Paul, Minn.

The sudden and unexpected drop in temperature which came without warning found many people unprepared, and flowers and shrubbery have suffered considerable in consequence. The loss to the florists in this section will be not very much as but very little tender stock has been planted out. Lilacs, which were in full bloom, do not seem to have suffered damage, but snowball, which were just beginning to open up, are badly frozen and wilted.

Trade has been fairly active, cut flowers and plants both selling more readily than during the previous week. Roses are falling off in quality, also in quantity, and good stock is rather scarce at present. Carnations are quite abundant and of good quality. Sweet peas are more plentiful but are not in great demand. Already a dearth of flowers for Decoration Day is apparent and prices will undoubtedly be higher. There will be but very few if any outside flowers and as the demand will most likely be good, we anticipate a nice trade for the occasion.

While the demand for bedding and foliage plants is good, the large quantity of poor and inferior stock offered at the city market and by street fakirs tends to make prices low and sales uncertain. As the season opened early, however, and several weeks yet remain for the bedding season, there is no reason for our florists to despair.

Stock about town is looking good. Chris. Hansen has a fine lot of geraniums a lin full bloom. L. L. May & Co., have their usual complement of bedding roses, geraniums, marigolds, etc. They report a very fine shipping trade, much better than the previous years. Their catalogue mailing trade now drawing to a close for the season has been the most prosperous in their history.

The first consignment of Belle Siebrecht roses arrived a few days since and are in fine shape, quite a contrast to some of the roses received in days gone by.

The bulb men have all come and gone and peace and quiet reign once more. The amount of bulbous stock to be planted another year will be still smaller than this year. **FELIX.**

Newport, R. I.

On May 8 Mr. John R. Johnston read an interesting paper before the Newport Horticultural Society on "The Lights and Shadows of a Gardener's Life."

Carl Jurgens has gone on a two weeks' business and pleasure trip. Mrs. Jurgens accompanies him.

COLEUS.

In assorted lots only.

A FINE COLLECTION; 40 KINDS, AT \$6.50 PER 1000.

W. R. SHELMIRE,
AVONDALE, PA.



TRY DREER'S

GARDEN SEEDS,

Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.

HENRY A. DREER,
Philadelphia, Pa.

CHRYSANTHEMUMS.

Fine assortment of all colors, prize winners of '94. Rooted cuttings, free by mail, \$1 per 100. Strong pot plants, by exp. \$2 per 100; \$18 per 1000.

CARNATIONS—G. Wilder, rooted cuttings \$1 per 100 by mail; \$7 per 1000. Cash. E. FRYER, U. R. Ave., cor. Hill St., Brooklyn, N. Y.



One of a Thousand

This flower looks attractive—multiply it by 1000 and you will have a good idea of a bush of

ANDORRA'S LATEST INTRODUCTION

Hypericum Moseerianum (St. John's Wort.)

A beautiful, evergreen, trailing shrub, covered from June until late Fall with rich, golden flowers, resembling a single rose. With slight protection it has been found perfectly hardy in this country. **Fine, Strong Plants, \$7.50 per Hundred.**

Hardy Trees, Shrubs, Plants, Roses, and Fruit. (Rhododendrons a Specialty.)

Andorra Nurseries, Wm. Warner Harper, Mgr. Chestnut Hill, Philadelphia, Pa.

CHRYSANTHEMUMS.

~ IT WILL SOON BE TIME FOR BENCH PLANTING. ~

To be sure of getting what you want, at the proper time, and at reasonable prices. Send us at once a list of your wants. Our stock and prices will suit.

Did you notice our adv. in FLORIST of May 4, page 1030? It will pay you to look it over again. Will allow you a discount of 10 per cent. from prices quoted on all orders of \$5.00 or over.

H. W. TURNER, Wholesale Florist, SHARON, PA.

GIBSON'S PREMIUM SET OF PROGRESSIVE MAMMOTH VERBENAS.

Now ready at one day's notice.

Try this set, you'll not regret. When you see the beauties blooming, And don't forget the best thing yet, They'll set your business booming.

Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents, from 2 1/2-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georgeanna, with the finest scarlets, purples, striped and intermediate shades. Double Petuntas (Dreer's), 2 in., \$2.50; 3 in., \$4; 4 in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vincis (Perrywickle) from flats, \$2; 2 1/2-in., \$3; 3 in., very fine \$5 per hundred. Begonia Vernon, semperflorens, in three colors, the most satisfactory and profitable plant we ever handled, 2 1/2 in., \$2.50; 3 in., \$3.50 per hundred. New yellow daisy, Anthemis Thictoria (single), 2 1/2 in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats, \$2.50; 2 1/2 in., \$3.50 per hundred. Nasturtiums selected stock from cuttings, fine colors, \$2.50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark, 2 1/2 in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 3/4 in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2 1/2 and 3 in., \$4 per hundred. Calendula P. of Orange, Scabiosa Snowball, sweet Alyssum, tall, double and dwarf single, Mignonette, Torenia fourieri, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eulalia, two kinds, 4 in. size \$3; 6 in., \$5 per hundred dormant roots; Eulalia plant sticks, the neatest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding cannas, \$2.50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. A dress cash with order please.

J. C. GIBSON, WOODBURY, N. J.
Mention American Florist.

CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

J. Horace McFarland Co.

HARRISBURG, PA.

Michel Plant and Bulb Co., WHOLESALE FLORISTS,

ST. LOUIS, MO.

When writing mention the American Florist.

New Chrysanthemums for 1895

JAPANESE NOVELTIES AND CALIFORNIA SEEDLINGS.

ADMIRAL ITO.—Enormous brilliant yellow margined amber.

BUFF GLOBE.—A golden sport from Good Gracious.

BUFF HAIRY.—Deep brownish yellow, hairy.

MARSHAL OYAMA.—White shaded pink.

FUZI SNOW.—A white spot from Good Gracious.

GENERAL NODZU.—A grand incurved yellow.

GRACE S. YOSHIKI.—A striking white seedling from The Queen.

GOLDEN PALACE.—A perfect golden ball.

MARSHAL OYAMA.—A glistening white, incurved.

ORIENTAL GLORY.—A magnificent shrimp pink.

PEARL PALACE.—A perfect spherical flower of pearly white.

YELLOW SUPERIOR, a mammoth incurved yellow.

Price 50c each, \$5 per dozen, \$35 per 100.

Cash with the order. Send for Catalogue.

Japanese Nursery,

H. YOSHIKI, Prop.

Cor. 16th & Willow Sts., Oakland, Cal.

PALMS.

150,000 of all the leading varieties.

FERNS.

50,000 of leading varieties.

Address **GEORGE WITTBOLD,**

1708 N. Halsted St., CHICAGO.

\$. \$. \$. FOR DOLLARS.

MME. F. BERGMAN is the best early white to date. Rooted cuttings, \$2.00 per 100; from 2 1/2-inch pots, \$4.00 per 100.

YELLOW QUEEN, best early yellow. Rooted Cuttings, \$4.00 per 100; from 2 1/2-inch pots, \$6.00 per 100.

SMILAX, from 2 1/2-inch pots, strong, \$2.50 per 100; \$30.00 per 1000. Send for Catalogue.

ADDRESS **J. G. BURROW, Fishkill, N. Y.**

CLEMATIS.

Home Grown, own Roots, in 20 Leading Kinds.

2 year \$3.00 per doz. \$25.00 per 100

3 year 4.00 " " 30.00 " 100

H. P. Roses, popular kinds, own roots and in 4 in. pots. Strong healthy stock, \$1.00 per doz.; \$10.00 per 100.

Daisies, double, choice named varieties, 2.00 " "

F. A. BALLER, Bloomington, Ill.

CHITTY'S NEW PRIZE CARNATIONS For 1895.

ALASKA—The Best and purest white ever offered.

CORSAIR—The scarlet McGowan.

MAGNET—Beautiful magenta rose.

LITTLE GEM—The dwarf J. J. Harrison.

MINNIE COOK—Superb variegated sort.

See full page Illustrated advertisement of above in American Florist December 1st and 8th.

FOR DESCRIPTIVE WHOLESALE PRICE LIST

ADDRESS **H. E. CHITTY,**
PATERSON, N. J.

CARNATIONS

Healthy well rooted cuttings of

	Per 100	Per 1000
Lizzie McGowan, Silver Spray, Puritan, Grace Weller.....	\$1.50	\$10.00
Daybreak.....	2.00	15.00
Portia, American Flag.....	1.50	10.00
Tidal Wave and Orange Blossom.....	2.00	15.00
DOUBLE PETUNIAS —Finest white and fringed varietals, \$1.50 per 100.		
CHRYSANTHEMUMS —Finest white, pink and yellow varietals, \$2.00 per 100.		
COLEUS —Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.		
Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order.		

JAMES HORAN & SON,
BRIDGEPORT, CONN.

THE COTTAGE GARDENS, Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no Rust. Also rooted runners Lady Campbell Violets. Send for Price List.

Wm. Swayne,

P. O. Box 226. **KENNETT SQUARE, PA.**

LIZZIE MCGOWAN,

\$1.50 per 100; \$12.50 per 1000.

WM. SCOTT,

\$3.00 per 100; \$25.00 per 1000.

Guaranteed stock, well-rooted, free from disease, strong and stocky. Most popular Carnations on the market.

ALEX. McBRIDE, Alplaus, N. Y.

CHRYSANTHEMUMS

Standard Commercial Varieties.

CHEAP.

HUNTSMAN & CO.,

247 Race Street, **CINCINNATI, O.**
WRITE FOR LIST.

GARNATIONS—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Lizzie Gilbert.....	\$10.00	\$75.00	Bouton d Or.....	\$5.00	\$70.00
Helen Keller.....	5.00	40.00	Goldfinch.....	5.00	40.00
Sweetbrier.....	5.00	40.00	Jacqueminot.....	5.00	40.00
Ingo.....	5.00	40.00	The Stuart.....	5.00	40.00
Ad. Byron.....	5.00	40.00	Annie Pixley.....	5.00	40.00
Uncle John.....	5.00	40.00	Rutecup.....	4.00	35.00
Wm. Scott.....	3.00	25.00	Mad. D. Albertini.....	3.00	25.00
Lulu.....	3.00	25.00	Hector.....	3.00	25.00
Daybreak.....	3.00	25.00	Nicholson.....	3.00	25.00
Mrs. Reynolds.....	3.00	25.00	Grace Rattles.....	2.50	20.00
Lizzie McGowan.....	2.50	20.00	Portia.....	2.00	15.00
Silver Spray.....	2.00	15.00	White Dove.....	2.00	15.00

Our stock is in excellent condition. Inspection invited.

MONEY ORDER OFFICE,
STATION "H. Philadelphia.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

Garnation Plants.

IT IS GETTING LATE,

and why buy rooted cuttings when you can get strong plants from soil. They will all grow, and make better and stronger stock.

We can give you the much sought for WM. SCOTT, free, clear pink, for \$3.00 per 100; DAY-BREAK, TIDAL WAVE, SILVER SPRAY, LIZZIE MCGOWAN, PORTIA, etc., at \$3 per 100; GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100.

Discount of 10 per cent on orders for 500 or more of a kind. All orders must be accompanied by cash. We can furnish the following new varieties of '95, mostly transplanted: Per 100 Per 1000

KOHINOOR, new white, large, free . . .	\$12.00	\$100.00
ROSE QUEEN, new, fine pink variety	12.00	100.00
CORSAIR, the scarlet McGowan . . .	10.00	75.00
ALASKA, large, white, free, new . . .	10.00	75.00
LIZZIE GILBERT, brilliant scarlet. . .	10.00	75.00
STORM KING, large, pure white . . .	10.00	75.00
METEOR, large, bright crimson . . .	10.00	75.00
BRIDESMAID, clear rich pink. . . .	10.00	75.00

GEO. HANCOCK & SON,

Grand Haven, Mich.

Mention American Florist.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

CARNATIONS

Last Call.

CHESTER PRIDE, PORTIA, AURORA, LIZZIE MCGOWAN, PURITAN and TIDAL WAVE, \$1.25 per 100; \$10.00 per 1000. WM. SCOTT, \$2.50 per 100. All other varieties sold out; also Lady Campbell Violet.

JOSEPH RENARD,

UNIONVILLE, Chester Co., PA.

SPECIALTIES

ALL IN THE BEST VARIETIES.

ROSES.

CARNATIONS.

CHRYSANTHEMUMS,

VERBENAS.

Rooted Cuttings and Plants. Send for price list.

WOOD BROTHERS, FISHKILL, N. Y.

Chrysanthemums

AND

Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

COLEUS, ROOTED CUTTINGS.

Finest selection fancy-leaved, old and new, \$5.00 per 1000. Reds and Yellows, \$6.00 per 1000. Either, 75c. per 100, postpaid. Write for special bargains on fancy-leaved cuttings or plants.

DANIEL K. HERR, Ryder Ave., Lancaster, Pa.

CARNATIONS SURPLUS STOCK.

Good strong plants from the soil, ready to set out in the open ground of the following varieties, at the same rate as rooted cuttings were sold.

	Per 100	Per 1000
WM. SCOTT.....	\$3.00	\$25.00
DIAZ ALBERTINI.....	3.00	25.00
UNCLE JOHN.....	5.00	40.00
THE STUART.....	5.00	40.00
GOLDFINCH.....	5.00	40.00
E. A. WOOD.....	5.00	40.00

And a limited number of the two new varieties, METEOR and BRIDESMAID.

FRED. DORNER & SON,

La Fayette, Ind.

CARNATION.

Well rooted cuttings and perfectly healthy; if they are not you can ship them back and have your money returned Per 100 Per 1000

LIZZIE MCGOWAN . . . \$1.25 \$9.00

VIOLETS. Lady Campbell, well rooted runners, free and clear of disease \$1.25 per hundred; \$10.00 per thousand. Cash with order.

PETER BROWN, Florist, Lancaster, Pa.

CARNATIONS

MCGOWAN IN QUANTITY.

A few thousand each of Keller and Stuart. Others a 1 sold.

ALBERT M. HERR,

Lock Box 496. **LANCASTER, PA.**

CARNATIONS.

ROOTED CUTTINGS OF

KOHINOOR, PURPLE KING, and many of the standard kinds. Prices on application.

C. J. PENNOCK,

The Pines. **KENNETT SQUARE, Chester Co., PA.**

NEW AND TESTED

CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD,

ELLIS, NORFOLK CO., MASS.

For Cut Carnations,

ADDRESS

JAS. E. ROBERTS, Middletown, Conn.

Send for a Copy

OF OUR

TRADE DIRECTORY

AND REFERENCE BOOK.

PRICE \$2.00.

AMERICAN FLORIST CO.,

P. O. Drawer 164. **CHICAGO, ILL.**

Notes by the Way.

The Pittsburg boys are apparently making great preparations, being fully determined to entertain the members of the S. A. F. during the annual convention in August on a grand scale. The enthusiasm and the spirit of liberality which has always characterized the S. A. F. conventions in the past, I need hardly add, will not be found lacking in the "smoky" city as well. There is nothing slow about the Pittsburg boys to be sure, nor do they, as a rule, do things by halves.

That the convention will prove a "howling" success is a foregone conclusion with me. Let us hope that the attendance may be a large one. The attractions within and around the twin cities, or the "greater" Pittsburg, are many and varied—too numerous indeed to mention in my brief notes.

"One of the greatest evils confronting our trade and which ought to engage the attention of the S. A. F.," remarked a prominent florist of an eastern Pennsylvania town one day recently to me, "is that of 'crape pulling' practiced by some 'florists' (?) to the detriment of the legitimate and respectable trade. Not only do such practices tend to demoralize prices, but they degrade the business as well." The idea of a florist ringing the door bell of an afflicted house with a view of "striking", an order for a funeral design is simply abominable, and any man enterprising enough to attempt such a thing ought to be kicked down a flight of stairs. How to discourage such practices, how best to counteract their evil, and in some cases, contagious influences, is certainly worthy of some consideration.

All through the states of Connecticut, Rhode Island and Massachusetts (which I have recently traversed) I found the florists as busy as bees, beautifying lawns, cemeteries, yards, etc., and the planting season has hardly begun in these regions. The demand for bedding stock of the finer grades and varieties fully equals, if it does not exceed, the supply. It seems as if the public has at last realized the fact that the best is after all the cheapest in the end.

Mrs. Lyman Briggs of Taunton, Mass., who had achieved remarkable success during the comparatively short space of time she was in business, contemplates disposing of her greenhouses, stock, etc., a much needed rest from business cares being the chief reason given. S.

\$3.50 Cash Collection

These plants are our own selection from our best stock and are all good varieties.

- 2 GERANIUMS, 2 and 3-inch, @ 3 \$.75
- 25 MUMS, assorted, @ 4 1.00
- 25 COLEUS, assorted, @ 3 .75
- 10 FERNS, assorted, @ 6 .60
- 10 CROTONS (large) assorted, @ 15 1.50

35 plants, @ \$4.00
Mention this paper and receive 2 English Ivy free with order. Williams & Sons Co., Batavia, Ill.

Carnations & Chrysanthemums

- 2000 LIZZIE McGOWAN, 1000 PORTIA, 1000 HINZE'S WHITE, at \$1.00 per 100.
- 500 BUTTERCUP, \$2.00 per 100.
- CHRYSANTHEMUMS Kate Brown W. H. Lincoln, Ivory, Kioto and Roslyn, \$1.00 per 100.
- Cash with order or C. O. D.
- JAMES CHALK, Box 339, NORRISTOWN, PA.

MAY OFFER.

- ALTERNANTHERA, red and yellow, 2 1/2-in. pots \$2.50
- ENGLISH IVY, 2 1/2-in. pots 2.50
- GERANIUMS, 4-inch pots, assorted 5.10
- COLEUS 2.75
- PANSIES, small, \$1.00; larger 1.75

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention American Florist.

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| Baron de sandrans | Francois Maire | Perfection |
| Baron de Renowardy | Geoffroy St. Hilaire | Progression |
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For five dollars we will furnish one each of the above fifty-five varieties including one Queen Charlotte, and one each of ten other very choice sorts not listed above, making 65 fine distinct sorts. This will make an interesting collection at an unprecedentedly low price.

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- CHAS. HENDERSON.....per doz \$t 25; per 100 \$8.00
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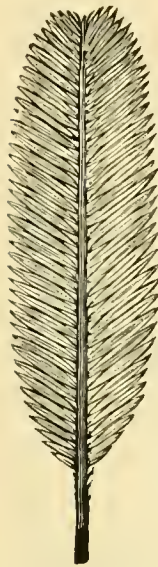
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Fostite, 25 lbs. \$2.00. Bellows \$3.50. Cash with order. Sold by all dealers and by
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The following members of the Florists' Hail Association have reported losses by hail since May 3, 1895:

- I. Parker, Fort Scott, Kans.
- M. J. Coventry, Fort Scott, Kans.
- Mrs. M. E. Luther, Lawrence, Kans.
- Wm. Horlacher, Junction City, Kans.
- Busch & Purzner, Jefferson City, Mo.
- Chas. Faust, Harvard, Ill.
- John Ederer & Sons, Omaha, Neb.
- Chapin Bros., Lincoln, Neb.
- N. S. Griffith, Independence, Mo. (houses completely wrecked).
- R. Davis & Son, Morrison, Ill.
- Lake Geneva Floral Co., Lake Geneva, Wis.

Button Bros., Lake Geneva, Wis.
 A. Donaghue, Omaha, Neb.
 Mrs. M. E. Eaton, Lyons, Ia.
 Salter Bros., Rochester, N. Y.
 Mr. Donaghue writes that E. E. Arnold, Erlinger, Paterson Bros., B. Hass and the Omaha Floral Co. have a total loss, but carry no insurance.

The F. H. A. will pay spot cash to its members as soon as losses are properly proven.

A severe hail storm was reported at Rochester, N. Y., on the 11th inst.

JOHN G. ESLER, Secretary.

Greenhouse Building.

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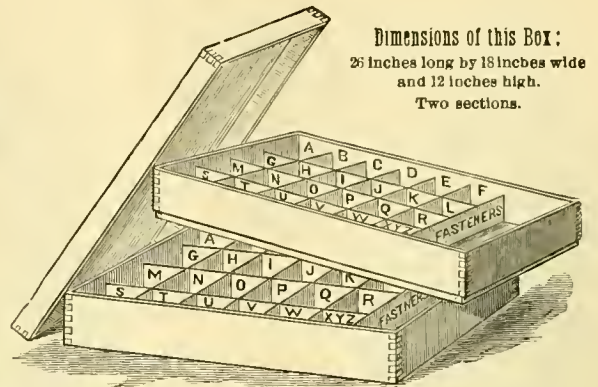
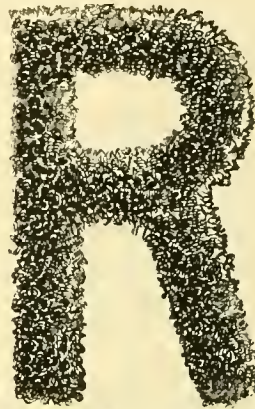
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 Two sections.

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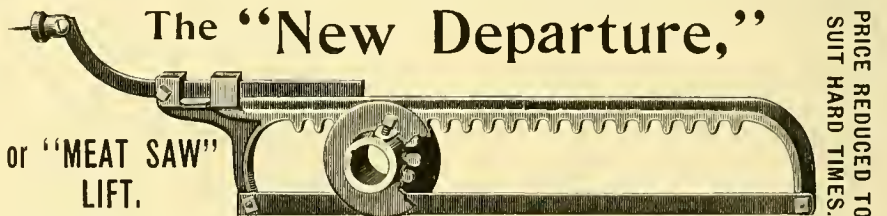
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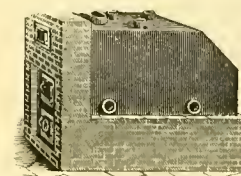
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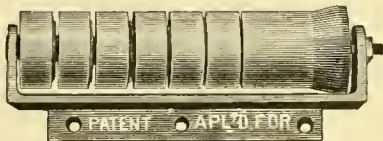
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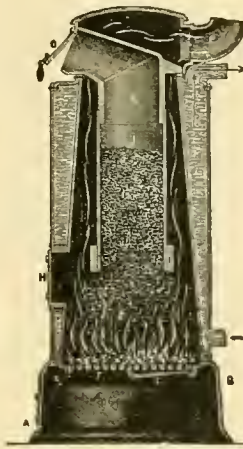
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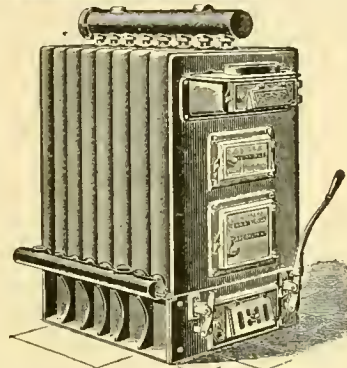
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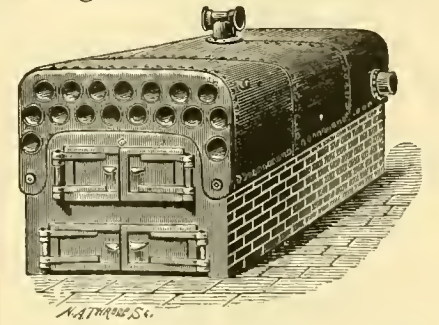
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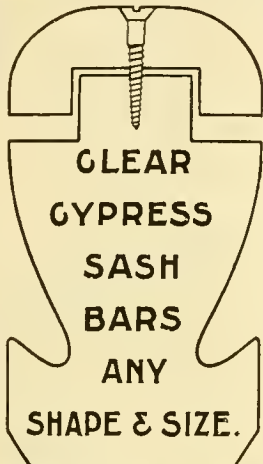
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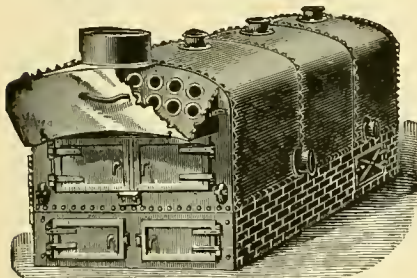
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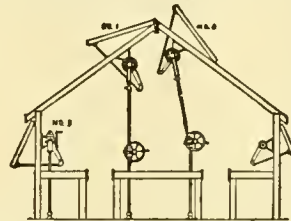
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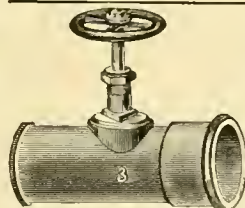
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ATLANTA, GA —The State Hort. Society has organized with Prof. J. S. Newman, president, and Dr. Samuel Haper, secretary.

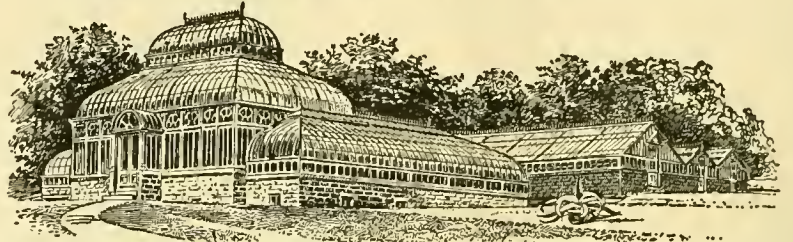
CHATTANOOGA, TENN —The Chickamauga Park commission has completed the purchase of General Sherman's battle ground at the north end of Missionary Ridge, Chattanooga, and it now becomes a part of the National Military Park. The tract contains fifty acres, and embraces the ground of assault of the Army of the Tennessee and the positions about Tunnel Hill defended by General Bragg's army.

SPRINGFIELD, MASS.—In the annual sweet pea show which takes place here July 23 and 24 Mr. Hutchins will show seven of Eckford's new varieties which are: Blanche Burpee, the very latest improvement in white; Eliza Eckford, delicate rose striped and tinted; Duchess of York, white with pinkish purple stripes; Duke of York, bright rosy pink with primrose yellow wings; Meteor, a bright orange salmon variety and Novelty an orange rose. Mr. Hutchins has planted 100 varieties in his own garden which is one of the largest and best kept in the country. He will introduce on the market this year one new variety of his own, the Daybreak, a white blossom with a watered scarlet center,

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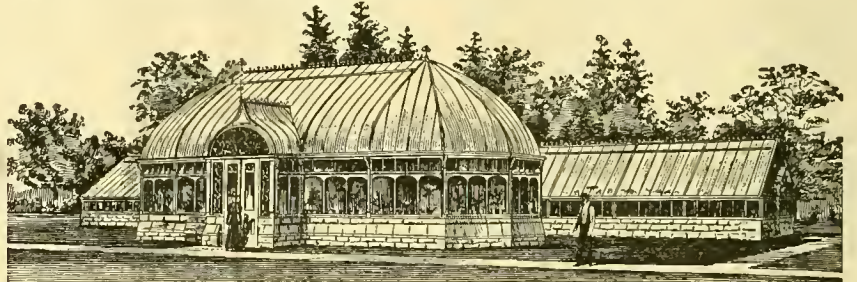
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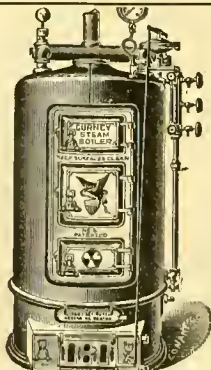
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Vol. X.

CHICAGO AND NEW YORK, MAY 25, 1895.

No. 364

THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

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P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; W. M. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 20, 21, 22 and 23, 1895.

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Society of American Florists.

Mr. Geo. Oesterle, 4200 Forbes street, Pittsburg, Pa., has been appointed superintendent of the trade exhibit at the coming convention and he is now entertaining applications for space. Blank applications and copies of the rules relating to the management of the exhibition may be had on application to him at the address given.

PEABODY, MASS.—Milburn P. Ward will continue the business of his father, the late J. M. Ward, under the firm name of John M. Ward & Co.

NORTH WALES, PA.—Franz Leverenz has purchased the greenhouses of J. K. Andre.



Carnation Notes.

Five hundred dollars reward to the man who will produce a carnation support satisfactory to all. Many of us thought we had in the system of Mr. Dorner the ideal plan for keeping the growth of the plants in such a shape that a free circulation of air around each plant was assured, so that every stem would grow just as wanted. I for one find I was mistaken and the result is a lot of wire netting for sale, but any man would be foolish to buy it for the purpose I have used it. I have been watching one system of supporting carnations during the past season which has proved very good, although this too has its drawbacks. It simply consists of No. 13 galvanized wire shaped by bending around the top of a 4-inch post having two nails opposite each other one-half inch from the top. This forms a loop and the ends of the wire are brought down the sides of the post, thus forming the support. The loop can be enlarged by stretching to the size which the plant requires. This support is superior to most of those of a similar nature in that it has two legs to stick in the soil, and where it has been in use all of the past season it has remained in its place firmly. As the plants grow in height towards February a second loop is placed over each plant. The only drawback to this system is that it is somewhat tedious picking the flowers where long stems are required, but as all supports have their defects we must overlook what few the Lonsdale (for he was the originator I believe) method has. I believe it would be a good idea for the different plant supports to be shown at Pittsburg this summer, thus giving those interested a chance to decide upon the merits of each. To be sure we can see all these by going to the different establishments, but some of us have not the time.

Nathan Smith & Son inform me that they are using but little stable manure in their houses now, depending to a great extent upon commercial, chemical or prepared fertilizers, and it is their opinion that in the future these will enter very largely into greenhouse work, and from what I have seen of the benefits of these manures I believe that by systematic trials a fertilizer of this character can be obtained that will obviate the necessity of using either cow or horse manure. We have tried a formula this season which has produced a fine growth, fully equal to the other manures, and the ease with

which commercial fertilizers are handled is much in their favor. This plan will necessitate procuring a fresh supply of good sod every year for our benches, and this I believe every good grower does, for the fiber in the decayed sod is what makes the soil porous; without this the soil becomes baked. It is a fact that we can obtain in chemicals, ground bone, nitrates, etc., all the essential elements necessary for manures; it lies with us to determine by trial the formula that our soil needs. There has been several thousand tons of commercial fertilizers used this spring by the farmers within a radius of three miles of my place, where formerly nothing but stable manure was used. Why can not the same be done in the greenhouse?

The rake is now an indispensable factor in the cultivation of our field of young plants. We planted in rows eighteen inches apart, and in beds one foot apart, also in rows three feet apart; the two former for the purpose of irrigating in case of a drouth. No more small plants for me if water will prevent it. But to return to the rake, this kills millions of young weeds, kills them before they get out of the ground. And then how nicely the rake pulverizes the surface of the soil, keeps in the moisture. Some say loosening the soil draws moisture from the air; be that as it may, it certainly produces better results than to leave the ground hard. Keep this tool going until the plants are too big to allow it, then cut off some of the teeth and go it again, in fact until the plants are housed.

Some growers are in the habit of piling the soil which they now begin to remove from their houses in a heap for future use. Don't do it, but spread it on the lot and sow Hungarian grass on it, then when the grass is in the proper condition plow it under and allow it to remain so over winter, then you will have soil that is worth using. CHARLES H. ALLEN.

The Carnation Rust in Europe.

Looking over some of the numbers of the *Revue Horticole* of Paris last winter, my attention was called to an article on carnations in the south part of France, drawing a lamentable picture of the state of affairs there. On the shores of the Mediterranean Sea and in a certain district called the Riviera carnations, violets and roses are planted by the acre to supply the northern markets of Europe with cut flowers during the winter months, being sent as far as Russia and Sweden. These plants, even in that mild climate, are sometimes subjected to a low and damp temperature in the months of January and December, and the past winter more so than usual, causing the rust and spot on carnations and violets to make its appearance, and destroying whole plantations, causing widespread distress among the

growers, who are depending on that line of produce for a living. The rust, or *Heterosporium echinulatum*, as they call it there, has also made its appearance in Switzerland and in the vicinity of Paris, and I was prompted to write to my esteemed friend and correspondent, Prof. Viviani Morel, the editor of *Lyon Horticole* and an authority on such matters, about it. As we all know, Lyon is the center of carnation growing in Europe, and where the monthly carnations originated, more being grown there than in all the rest of Europe together. In due time I received, through the columns of *Lyon Horticole*, a reply to my inquiries, stating that while the disease was well known there, still it had been kept in check by the growers using a solution of 4 pounds of sulphate of copper in one gallon of water in one part, and six pounds of carbonate of soda in six quarts of water, mixing both solutions in 30 gallons of water for immediate use, Mr. Viviani Morel remarking also philosophically, that it is a law of nature, that wherever there is accumulations of members either in mankind, animal or vegetable kingdom, growing together, to breed disease among them to keep off the surplus. On the whole here we may congratulate ourselves that we have controlled the disease somewhat, and that by the proper use of fungicides, and especially hygienic precautions as regards ventilation and regulating moisture when the temperature is low we have succeeded in some measure to ward off the disease. I do not see any reason to fear for the future of carnations.

In our new range of houses, having all the flows overhead and almost continuous ventilation on all sides, allowing a large circulation of air at all times, varieties that were under the ban as particularly predisposed to rust got over it very well, and are now very healthy, showing the necessity of a dryer atmosphere above. Still I cannot but dread the effect of a wet season on carnations planted out and dull weather after taking them in, as was the case in our section last winter, when the scarcity of flowers was almost without precedent, considering that fully one-third more plants were grown than ever before. Another advantage in using copper salts on carnations; it will completely free them of such insects as red spider and cut worms, as we found by experience.

DENYS ZIRNGEBEL.

A Useful Fern.

Scolopendrium vulgare and its varieties are only met with in very few places in the United States, and whoever was fortunate enough to have a stock of them on hand the past winter saw them go off rather faster than he cared for. They are wanted for small fern dishes while in a young state, and also as a fine low and very attractive ornamental plant for jardinières, when they have developed into specimens, and may be used on a table or small stand, or in fact for any purpose in room or window decoration. I often wondered why it was not classed with the very best and most useful ferns for fern dishes. There is no fern that has better lasting qualities than a scolopendrium, even the much esteemed *Cyrtium* (*Platylome*) *falcatum* cannot compare with them in that respect. We have grown it now for over twenty years in a few varieties, originally, besides *S. vulgare*. We had one under the name of *S. undulatum*, with longer and narrower foliage than the type, the edges of the fronds being regularly wavy and crimped; *S. cristatum*, a beautiful crested form with

the fronds many times divided at the apex, and of a more dwarfish habit, also another called *S. dentatum*, with finely cut and lacerated edges, but now they have sported or mixed up so badly that very few of the original types are to be found among them, being raised from spores year after year without taking any particular pains to keep the varieties separate, but all of them are good for our purpose. The spores and the names in the first place came from the late Dr. Regel, St. Petersburg, Russia, and I have no doubt that the names were correct at the time, but now I could not vouch for the true name of any variety and could not even pick out a true *S. vulgare* among a whole bunch.

They are a perfectly hardy evergreen fern and may be left unprotected outdoors all the year around if so desired, but for our purpose cool house treatment in winter and airy frames in summer gives best results. A close and moist atmosphere will cause the young fronds to damp off and disfigure the plant for present use, but soon will outgrow the defect if placed in a more airy position. Plants that are wanted for low fern dishes may be kept low and short in a 3-inch pot for a long time by merely keeping them moderately dry at the roots and allowing plenty of air. This treatment will not injure their healthy dark shiny fronds in the least, for they can live and flourish on a very small allowance of nourishment, but on the other hand they would also respond cheerfully to a more liberal treatment if larger specimens with longer fronds are wanted.

The spores of scolopendriums should be sown like other ferns, which operation has been described in these columns a number of times, but the seed pans or boxes must be placed in a somewhat cooler house, for in heat they will not come up so thickly, and are very apt to damp off soon after they germinate, and before they are large enough to handle, while in a cooler house and with free circulation of air this trouble is avoided. Therefore we found it better not to sow until May, or else in the autumn months, when plenty of air can be allowed while the young plants are yet too small to be pricked off. After the first transplanting from the seed pan very little difficulty will be experienced in the handling of this fern, for it grows freely after, but does not make a salable plant in as short a time as a pteris, onychium or the like, requiring to be left in the boxes a month or six weeks longer than our fast growing varieties. On the other hand they will never grow too tall or get lanky, even if set close together and crowded on a bench, always being compact and well furnished. Unlike other fern seeds the spores will retain their vitality for years. We have sown five year old spores and plants were produced just as thickly in the pans as from a new seed.

J. B. KELLER.

Rochester, N. Y.

The Arrangement of Flowers.

XXI.

During spring there are a number of hardy shrubs, the flowers of which might be used to good advantage in arrangements of various kinds. One of the best things in this line is *Spiræa prunifolia* (bridal wreath), which is strikingly beautiful when arranged properly in connection with other flowers. There is a natural grace to the pendent branches of this shrub that makes it adaptable to almost any kind of work. It is useful alike in funeral designs, basket work, and above all for the arrangement of vases and mantels.

In the accompanying illustrations No. 1 is a combination of the spiræa and La France roses, arranged in a square handled basket. The effect of this spiræa with pink roses is particularly pleasing. The branches of the shrub can be cut of sufficient length to embed in the moss and reach up to a desired height over the handle, and when placed in such position will last fully as long as the roses will. It is an inexpensive thing at this season of the year; a good generous bunch might be bought on the market for 25 cents; this and let us say five dozen roses at 3 cents will make a handsome basket. The entire cost of such a piece would figure up somewhat like this: Basket \$1, roses 1.80, spiræa 25 cents, adiantum 25 cents, ribbon 50 cents. Total 3.30 to 3.50.

The second picture shows an arrangement of *Harrisii* and spiræa in a tall slender glass vase. One dozen *Harrisii* and a bunch (25 cents) of spiræa, the total cost of which would not exceed 1.25, figuring the *Harrisii* at 8 cents each.

Reminders.

Callas may now be planted out in the ground for the summer, if this plan is satisfactory, but for the last ten years we have followed the way of drying them off in their pots, and found it advantageous as to labor saving and otherwise. The pots are merely laid on their sides and left alone until the middle of August or first of September, when they are taken in hand and about one half, the top, of the earth is removed and replaced by very rich soil, or even pure old manure. The plants are then placed close together and watered liberally every day for a few weeks, until the approaching cold weather demands their return to safe quarters. After thus top dressing and watering them they will grow very fast, and we usually have some of them in flower by the time they are housed, they only having made three leaves before the buds show themselves. The operation of planting out a lot of callas in spring alone consumes more time than the overhauling and topdressing of them at the end of the summer, not to speak of the potting, shading and syringing in the fall to keep newly potted water-loving plants from wilting.

All the planting out should be finished at once if possible, it saves lots of tedious watering under glass. Pick out your assortments of geraniums and other stock of bedding plants now, and plant enough of them to get a plentiful supply of cuttings in the fall, and you will not have to hunt all over for a supply when the time comes to put them in. Many odd plants may also be planted in the open ground instead of keeping them in pots over summer, and be greatly benefited thereby.

A lot of variegated euonymus, aucubas, *Yucca pendula*, large *Dracæna indivisa* and other evergreen plants which we use for decorating in the winter months, are regularly planted out in the open ground, where they need less care and will make a fine healthy growth without much help, and in fall, soon after potting, are ready again to take their places in whatever decorations we may want to use them. Of the smaller plants *ophipogon*, *farfugium*, *acorus*, trailing euonymus and a host of other things used for the same purpose may be treated in the same way, and come out the better for it.

If a few large hydrangeas are left over, or are done blooming, save them for planting out in some corner, and in late fall take the top cuttings, inserting them in boxes filled with sandy soil. Let them



ILLUSTRATION NO. 1
ARRANGEMENT OF FLOWERS

take their time in rooting without any heat in a cold frame, and by February pot them up. They will make those one flowered plants in 4 and 4½-inch pots, which are spoken of so often, and are in great demand during spring for various purposes, coming in very handy for veranda boxes, etc. These plants can be raised a great deal cheaper and require far less care than a geranium, and surely will fetch more than double the price of the latter; at least they do with us.

Lilacs, especially the white varieties, are growing in favor every spring more and more, and if room can be spared in the lot enough for your own supply should be planted. The common old variety takes too long before flowering, but Princess Alexandra sets buds and flowers profusely when very small; plants one and one-half to two feet high are covered with large panicles of pure white flowers, and it will pay any one to grow that variety, not only for outdoors but also for winter forcing.

J. B. KELLER.

Rochester, N. Y.

Foreign Notes.

Among recent introductions are some handsome solanums, which should be of value for the sub-tropical garden. *S. Sealorthianum* is a climber from the Antilles. It has pinnatifid leaves with nine to eleven leaflets, and the flowers are produced in pendent bunches suggestive of the wistaria. The flowers are lilac-blue, with golden anthers. This should be a good greenhouse climber. *S. Dammanianum* is a fine species for sub-tropical planting. This will grow in a single sa-

son, says the *London Garden*, to a height of 9 feet, forming a small pyramidal tree, with large serrated wooly leaves. In the autumn it bears, at the extremity of the branches, large bunches of deep blue flowers with golden anthers. *S. mors elephantum* is another species from Equatorial Africa. It grows about three feet in height, with violet stems and deep green foliage. The flowers are large and light blue, and are followed by large canary yellow fruit, borne in threes. *S. Dublosinatum* is a species recently introduced from Abyssinia, which has large blue flowers followed by white berries.

About Leaks.

I was very much interested in the spicy correspondence on this subject which appeared a few weeks since. As with every other question there are two sides to this and it looks quite differently from different standpoints, but no one will dispute the importance of the subject or question for a moment that watchfulness is most essential in these days of low prices and sharp competition if a business man expects to make both ends meet and have a little profit left besides.

An employer should, however, bear in mind that it is not necessary that in order to be careful and watchful to prevent wastefulness a man should be harsh and suspicious. There is such a thing as making men sly and deceitful by constant over-watching, nagging and general meanness. If there are leaks they should be located and promptly stopped. It will be found that such things are oftener the result of carelessness than of vicious in-

tent. The force of example goes a long way. If a man is careless himself he must not be surprised to find his employees copying after him. If he is so constituted that he will permit things to run to ruin right under his own eyes the responsibility for the loss rests mainly on his own shoulders.

On the other hand an employee should fully realize that a policy which is for the benefit of his employer's business and which helps to place that business on a reliable basis is decidedly to his own advantage as well, and will lend his hearty co-operation in any effort to curtail waste in the conduct of the business, not only as a matter of mere duty but for his own self interest also.

J.

The English Violet.

With the general adoption of the Marie Louise as a forcing violet the form of *Viola odorata* known as the English, Hardy or Tea violet has been almost forgotten. A high authority informs me that the variety differs widely under cultivation. My experience is limited to one strain, but as it seems to differ from such plants as I have seen elsewhere only in thirt I regard it as typical. I may also add that a dozen plants of a "Double Russian" violet, from one of our most reliable houses, have been two years in a bed of English violets, and I think no botanist could tell them apart. Is there a double Russian violet differing from the English?

The English violet is distinguished, in a general way, from varieties of the Marie Louise type by its darker green color and rounder leaf. The flowers are a deep violet color instead of pale blue; they are full double and deliciously fragrant, and of the same size as those of the Marie Louise when grown under the same conditions. It is an old fashioned plant, and may still be found in old gardens in the east, where it has held its own with the grass for years, proving its hardiness, vigor and freedom from "violet disease." My own stock was dug from an old sod in a neglected garden where it had shifted for itself for many years.

In the flower garden I have found it particularly useful as an edging for beds. It gives a mass of delicious bloom in the spring, and holds its clean, dark green foliage until covered with snow. If the beds are well enriched the violets in the border will throw a large proportion of fine flowers with long stems. Before me, as I write, is a violet border some forty yards in length, dividing a grass walk leading to the highway from the adjoining flower beds. It was planted in 1891 and is now 1½ to 2 feet in width. Perhaps twice during the season it is gone over to pull out stray weeds. In 1894 it furnished several thousand fine, salable blooms. This year, for the first time since I have been growing them, the excessive heat at the time the outdoor violets were coming on ruined them for florist's use.

For cold frames I have planted in good rich garden soil, rows 14 inches apart and plants 6 inches apart in the row. Young plants are used from a bed planted the previous year. The beds have had no shading nor watering, and have been allowed to set runners at will. By fall they make solid rows and nearly cover the ground between the rows. The marked coincidence in one frame, this season of small blooms and an unusual number of young plants has determined me to pinch off runners hereafter.

The only year for which I have a full account of both yield and prices is 1894.

The first frame to come on was 6x100 feet. The frame was put around this bed in the fall, and at the beginning of winter it was banked with manure and sash put on. Forty thousand violets were sold from this frame between March 24 and April 27. They netted \$278. Another frame 6x110 feet was put on, without banking in the spring, and hastened the blooming only a few days. This frame was not watched closely. The heaviest picking came on unexpectedly at the close of a week of hot weather and was a total loss. Twenty-one thousand violets were marketed from this frame between April 14 and May 2, netting \$86. From the open ground, mostly from the borders of flower beds, were gathered, April 24 to May 9, 25,000 salable blooms, which netted \$100. Of the total 86,000 about 35,000 were sold to local florists, and 51,000 sent to commission houses in other cities.

The English violet has a short season of bloom, which makes it undesirable for ordinary greenhouse culture. For a frame to come on at Easter I think it an advantage to be able to get one-half of the crop at a single picking. Of course the season can be considerably prolonged by shading, if that is desirable. I think it an advantage not to allow the soil in the frames to freeze deeply; but it is not necessary to freeze one's fingers putting on shutters every cold snap in winter, or to spend any time in summer spraying with Bordeaux mixture, or picking off diseased leaves. Good soil and a reasonable amount of hoeing and weeding is all that I have found necessary to insure a bountiful crop of blooms the following spring. Considering how cheaply and with what certainty these violets can be grown it would seem that a great many florists could advantageously grow a few each season.

The accompanying picture tells its own story except as to the color of the blooms. A bunch of Marie Louise in the same window looks faded.

Rochester, N. Y. GEO. ARNOLD, JR.

Herbaceous Plant Notes.

What a fine show *Alyssum saxatile compactum* is making now (May 21) in the herbaceous border and on our rockeries, with its bright golden yellow flowers profusely produced in close corymbose heads, so that the whole bush seems enveloped in a sheet of gold. It lasts a long time too, commencing with us the latter part of April and continuing into the end of June. One of our best herbaceous plants, and very hardy, the glaucous foliage is covered with a whitish down, and the plant is nearly an evergreen, does best in a dry and sunny position, where the plant, if not crowded by neighbors, will develop an even, rounded surface densely covered with large yellow flower heads.

The old *Iberis sempervirens*, known to everybody, blooms at the same time, and a good sized patch of it comes very handy for cutting; a little later on in June *I. coraeifolia* will give a succession of flowers; the corymbose flower heads of this variety are considerably larger than in the former, and are more compact and close, forming spikes 3 inches long. The leaves of this plant are broader and shorter than in the older variety, and the bush also more compact and close.

Centaurea montana, a large deep blue herbaceous cornflower, is beginning to bloom with these, and will continue for some time; the florets are deeply cut or fringed at the edges, and the plant is well worth a place on the border. It grows to



THE ENGLISH VIOLET

a height of 18 inches to 2 feet; there are also a rose colored variety *C. m. rosea*, and a white one, *C. m. alba*, both of which are equally desirable, and should be grown more.

Of irises the *pumila* section is now almost past its best, but the plants have made a fine show while in bloom, and are surely wanted in the border for an early spring ornament. The *germanica* section comprises a great number of very handsome varieties with large sweet scented flowers, and are among the easiest to cultivate; their rhizomes are formed on the surface of the ground, and are better not covered over with soil. They like plenty of sun and air, and once planted should not be disturbed and divided like other herbaceous plants, their flowering being much hindered by division or replanting. They vary a little in the time of blooming, and also in height of flower stem, but usually 2 to 2½ feet is as tall as they will grow. Some of the earlier varieties are in flower now, and there is every combination of white, yellow, blue and deep purple to be found in the flowers. A fine combination bed of iris may be created by planting *I. pumila*, *I. germanica* and the taller *I. laevigata* or *Japan iris* together; the flowering time will then extend from April to August, but they are also indispensable for the border or the rockery.

The moss pink, *Phlox subulata*, is in full bloom, and carpets the ground densely wherever planted, also the pretty *Phlox amœna* with its bright carmine pink flowers in compact corymbs, lasting well into June.

Hardy primroses are at their best, and there is such a variety of colors, a collection of them will please every visitor. They do well either on the border or the rockery, and will remain in health undisturbed for years, also will the much admired auriculas.

Polemonium coeruleum, the Greek valerian, has pretty soft blue flowers on corymbose erect stems from now to July, and is an elegant border plant, growing 1½ to 2 feet high. *Pulmonaria mollissima*, desirable for its early blooming, and *P. m. maculata*, the foliage of which is profusely dotted all over with large round silvery spots, are both good plants for edgings or for the border.

Arabis albidia may be used in the same

way, and is one of our first herbaceous plants to bloom; flowers are produced in great profusion and are exceedingly pretty. It does well in a dry place, but will flourish anywhere in the border. The variegated form of it is also a fine thing; both grow not higher than 6 to 10 inches.

Iceland poppies, *Papaver nudicaule*, are in great shape at present, and will continue so for two months yet; after that flowers will come more sparingly. White, yellow and vivid orange are the varieties seen, and they are a great help to brighten the border.

Anemone sylvestris is an early blooming large flowering variety, which we seldom find in collections, but as the flowers are so lasting and borne on good stout, long stems, we use them as cut flowers in the spring months. The flowers are almost as large as the fall flowering *A. japonica*, but of a very pure satiny white, and are fragrant. April and May is the time they bloom, and the height of their growth 18 inches. This is a very desirable border plant, and flowers freely in any soil or situation.

Daphne cneorum is not an herbaceous plant strictly, but is surely a most desirable one for planting in the border; flowers in terminal heads, very bright pink, is sweet scented and continues to bloom nearly all summer, but the main crops are produced in May and June, and again in late fall. The plant is shrubby and evergreen, as hardy as an oak tree, and once planted should not be disturbed. It grows 8 to 12 inches high, and is a grand plant, but rather rare.

Asperula odorata with its profusion of very fragrant snow white flowers is another good dwarf spring blooming plant for May and June. *Aquilegias* in the earlier varieties are coming out fast now. *A. alpina* has deep blue flowers 2 to 3 inches in diameter, and is one of the dwarf varieties of the genus, flowering from May to July. *A. coerulea* is dark blue with a white cup and large flower, blooms from April to July and is a most lovely species. *A. glandulosa*, bright light blue with a large pure white center and extra large sized flowers, blooms at the same time and is one of the best of all *aquilegias*. *A. olympica*, also one of the large flowering section, is delicate mauve blue, the inner petals or cup white,



ILLUSTRATION NO. 2
ARRANGEMENT OF FLOWERS

blooms in May and through June. *A. vulgaris* fl. pl., the common double columbine, is of various colors and will produce a good show when planted in large patches on the border, and continues to bloom until midsummer. The flowers of the latter variety are smaller than the others, but produced very freely. All of these early varieties grow from 1½ to 2 feet in height. *Doronicum caucasicum* is covered with a multitude of large bright yellow daisy-like flowers, and is useful also for cutting, height one foot. The pretty hepaticas or wood anemones, one of the very earliest dwarf spring flowers, blue or rose, are almost past; they like a half shady position and do well on the rockery or on the border. *Lychnis flos-cuculi* fl. pl., the old ragged robin, is now beginning to bloom, and will continue until August; flowers rosy red in loose panicles. It is a desirable border plant, 1 to 1½ feet high.

Pæonia tenuifolia and *P. tenuifolia* fl. pl. are both in good shape now; they are the earliest of all the pæonias, blooming in May and June. The color of the flowers is dark crimson, not so large, though more useful for cutting, than those of *P. officinalis*. The leaves are cut up into numerous linear segments, and the plant after blooming, is still an ornament in

the herbaceous border, height 12 to 18 inches. *Stellaria holostea* produces its pretty white flowers in great profusion from May to August, and forms a dense plant covering the ground, 12 to 15 inches high.

J. B. KELLER.

Rochester, N. Y.

New York.

Quite a number of the rose growers have already thrown out their old bushes and planted young stock, but not yet to an extent sufficient to reduce the receipt of flowers to where it will bear a proper relation to the consumption. During the greater part of the past month the cut of roses has been enormous, possibly the largest ever sent to this market in a corresponding period. They have been sold by the box, by the thousand or by guess work, with little regard for varieties, and no time wasted in counting them, and sometimes they have not been sold at all. Add the avalanche of outdoor daffodils and tulips and lilacs and the result has been a mass of stock which has brought into requisition every available packing box, kept the express men busy, and made the commission establishments almost impassable during the busy hours of the day. Where the stuff all goes to is a

mystery, but if there was only one-fourth as much of it the net proceeds would, in all probability, be just as much. *Harrisii* lilies continue to harass the wholesalers, and sweet peas are also entirely too abundant. It might relieve the stress somewhat if other varieties than *Blanche Ferry* were grown, but this would never do; every grower must do just as his neighbor does. Carnations have, as the saying goes, "gone all to pieces." About \$3 per thousand is the net result in the aggregate from the sale of all ordinary sorts. There is plenty of inferior stock that cannot be sold for anything. Notwithstanding this, it should be noted that two or three growers who have made for themselves a well deserved reputation as to the quality of their stock are getting as high as \$3 per hundred for their carnations, and even more than this for special fancy sorts, which goes to show that no matter how depressed the market may be the man with the best stock generally comes out all right.

The rapid progress of the season received a check by the sudden ending of the extremely hot weather. Ice was formed in some localities on two nights during the past week, and frosts were reported generally from the farming districts throughout the state. Apple and pear blossoms were badly blighted, Long Island growers lost hundreds of bushels of beans and other tender material and the too-hasty gardeners who confided their coleus to the early May weather will now have a chance to do it all over again, and the seedsmen and florists will benefit accordingly. One highly elated florist was overheard to say, "Coleus, I wish they would all be played out, I have got plenty to sell."

R. E. Loeben, formerly of Dobbs Ferry, has taken charge of the Nestledown Greenhouses at Hollis, Long Island. This establishment is being increased in extent by the addition of several houses, which are being erected by Thos. W. Weathered's Sons, and a retail store will probably be opened next fall on 236 street, near Fourth avenue, in New York City.

The second annual exhibition of wild flowers at the Normal College on Madison avenue came off on May 17. The daily newspapers, as usual, have got badly mixed up on the botanical names, and the New York *Herald* gravely informs us that *Viola pedata* is found only on Staten Island!

This is fairly outdone, however, by the *World* for May 12, which occupies a column of valuable space with an account of wonderful devil plants which kill everything animal and vegetable in their vicinity, but cannot be killed itself even by fire, and trees which feed on small birds and trees which have the power of coating themselves with copper, all of which they admit "must appear incredible to the unscientific."

R. K. Young has leased the greenhouses of W. H. Jacobson & Co. in Hackensack, N. J.

Henry Badger, a retired florist, died on May 19 at his home in Brooklyn, in his 80th year.

Mr. W. Rolker will sail for Europe about first of June.

In town: Theo. Outerbridge of Bermuda.

Boston.

The cold wave which has covered the entire country for a period of several days has not been so severe here as in other sections, judging from the reports of damaging frosts which are received from locali-

ties even much farther south, yet it has been sufficient to shorten up effectually the big surplus of flowers which were being piled on to the market, and the prices received for good marketable stock are generally satisfactory. The great interest now centers in the coming Memorial Day. From present appearances the season will be normal so far as the varieties of outdoor flowers obtainable is concerned. Of indoor flowers there will be probably no great excess over the demands of the market, and the usual figures quoted for this occasion may be expected to rule. As to plants, no one can complain, for prices have not been better nor sales brisker at the auctions at any corresponding time for several years.

The exhibition at Horticultural Hall on May 18 comprised some handsome seedling carnations from Fisher & Aird, a white seedling named Wellesley from J. Tailby & Sons, and the new English importation Uriah Pike, which was shown by Wm. Nicholson. Mr. Nicholson states that the flowers shown were the first cut from small 3-inch plants imported last September, which does not assure a promising future for this variety as a winter bloomer. In fragrance, form and stem it lacks nothing, but the color is rather dark for the prevailing taste in this country, and smooth edged carnation are not yet appreciated by the public here. Messrs. Fisher & Aird also showed a sport from Wm. Scott, in color and general appearance much resembling Thos. Cartledge. Wm. Thatcher, from the John L. Gardner Estate, exhibited an attractive group of orchids and other flowering greenhouse plants, also a well bloomed wistaria in tree form. Jas. Comley, from the Hayes Estate, staged a rich collection of promiscuous flowers, and the display of wild flowers from several exhibitors was unusually large and interesting.

Judging from a big importation of Japanese flower pots and stands just opened up by Jones, McDuffee & Stratton a large demand for the better class of these goods may be counted upon for the coming season. The designs and ornamentation are more artistic and beautiful than anything placed on the market in quantity hitherto, reminding one more of the show pieces in the art museums.

As the season advances the havoc wrought by the severe winter becomes more apparent among the shrubs and trees heretofore considered perfectly hardy. Even the tulips in the Public Garden have not the luxuriance and uniformity of former years. A singular feature is that some shrubs generally regarded as somewhat tender have come through better than usual.

J. W. Lovering, superintendent of Mount Auburn Cemetery for twenty years, died from lock-jaw on May 17, resulting from being thrown out of his carriage a few days previously.

Mrs. A. C. Bowditch died at her home in Somerville on May 19 after a painful illness of several years.

Buffalo.

Since I have penned any note to the FLORIST we have had a great variety of weather. The tropical spell broke up on the 11th, and the mercury fell in this city from 86° to 27° in 18 hours. I have not heard that it hurt any florist, for all had too much experience to believe that summer had come. Yet thousands of plants had been sold on the market, and have doubtless perished. Whether this is a gain to trade or otherwise I will leave to the thinker who thinks deeper than I can

think. Local readers know well how disastrous this was locally to fruit growers, but perhaps all do not realize the terrible visitation to the grape growing region on the south shore of Lake Erie. From Silver Creek, N. Y., to North East, Pa., and extending back from the shore from one to five miles is practically one vast vineyard. When I say that last year's crop was something like 9,000 carloads you can form an idea of its extent. It is a knock that many hard working men won't survive, but let us hope that it will in a measure turn out like the annual failure of the the Maryland peach crop, and if they get but a quarter of the usual yield the price will make up for the deficiency. Good clear weather with frosts at night is the rule up to date, so plant men are not yet rushed. During the hot spell roses and carnations became very plentiful, quite a surplus in fact. But since then flowers have been scarce enough.

A more than ordinary call for funeral flowers and a number of small weddings have kept the store men fairly busy. At present outlook it seems that all outside flowers will be very scarce for Decoration Day. The great bulk of flowers used on that date must be very inexpensive to suit the demand, and indoor stuff cuts but a small figure. The grave of a colonel may have a bunch of roses, but the resting place of a poor corporal or full private gets a 15-cent bunch of lilacs. Valley, lilac, parrot tulips and all the other flowers usually abundant at that time will be gone.

I understand some notes have been sent you of the recent visit of the Rochester bowling team. They were 13 strong, and a good deal of the young athletic element among them. They are a fine lot of boys (few gray hairs among them). What made the encounter more than ever enjoyable was the fact that we had as "rooters" for our side the elephantine form of Peter Crowe of Utica, the swan like graceful personality of George Fancourt of Wilkesbarre and the southern colonel, A. L. Vaughan of Chicago. The Rochester boys went home at midnight, we hope pleased with the afternoon's sport, but the "rooters" hung round another day or two. Crowe, not satisfied with two days of it, had to step into a new lot of alleys on Washington street the morning of his departure with a few companions as idle as himself, and here was the score: Crowe 219, Mepsted 189, W. A. Adams 102. We are glad to see the old man make such a brilliant score, but it has its drawbacks. However, everything passed off beautifully, and we are glad to see such good men honor our brethren with a visit, particularly when they don't have anything to sell or ax to grind.

W. Scott has sold his branch store on Elk street to Mrs. Buddenburg, his former lady manager; Mrs. B., being at home in the neighborhood and having all the attributes both physically and mentally to please a customer, is bound to succeed. W. S.

Buffalo is getting ready for Pittsburg. The bowling florists from the village of Rochester visited Buffalo on Tuesday last, the reason being that they wished to return a compliment that the Buffalo florists had paid them some weeks ago when they went to Rochester and allowed the home team to beat them.

They came, and a fine, muscular lot of fellows they were, 14 in all. At a glance an old bowler could see blood in their eye, but the public generally did not seem to tumble, for as they marched up Main

street in a body their faces and "manners" seemed to give the thing away; on the streets from passers-by you could hear the remark, "Florists' convention." Perhaps this was due to the presence of three faces besides the Rochesters. Peter Crowe of Utica—no comment needed; George Fancourt, the orator and rose grower from Wilkesbarre; and smooth, smiling A. L. Vaughan of Chicago, a great favorite of the ladies in Buffalo.

But let it all pass. We had a good time and the Buffalo florists as a body tried their best to pay back to Rochester a part of the bill they owed for the hospitable way in which they have been treated by their neighbors on more than one occasion. Judging by the faces of Vick, Salter, Savage, Frye, Keller, Graham and the rest, they succeeded in cutting down the balance some, i. e., at 1:30 a. m. on Wednesday.

Peter Crowe, when he had become acclimated on Thursday, made 219 in one game and departed happy. Fancourt seemed on Wednesday to think that all roses shipped into Buffalo had a tired look. Vaughan in his quiet way simply said "thank you, come and see me in Chicago. I have had a lovely time and shall never forget the ladies of Buffalo."

THE SCORE.

Buffalo	1st game	2d game	Total
E. I. Mepsted	135	172	307
Wm. Scott	151	152	303
G. Troup	151	182	333
G. McClure	123	136	259
P. Scott	193	132	325
G. Asmus	181	208	389
Geo. Eckert	183	84	267
W. F. Kastung	168	112	280
J. H. Rebstock	159	128	287
Peter Crowe	92	88	180
			2940
Rochester.			
C. H. Vick	110	140	250
Jenoy	117	148	265
Graham	147	100	247
G. Savage	129	78	206
A. Salter	135	120	255
Shaw	147	126	273
Gilmore	122	90	212
Keller	105	138	243
Frye	178	100	278
E. H. Vick	142	138	280
			2510

Total majority for Buffalo 410 pias.

E.

Chicago.

Up to Thursday of this week the supply of stock coming into this market was quite short; though there was not a large demand it was sufficient to clean up the stock. On Thursday the weather turned very warm, so it is likely the stock would soon increase. Prices have held quite firm, roses being \$2 to 4 in most lines, choice Meteors and Testouts bringing 5. Beauties range from 8 to 25. Carnations were 1 to 1.50; fancies 2. Sweet peas are in short supply and not first-class; Harrisii is very scarce at 10, and will probably go up to 15 next week; valley is short, tulips, poeticus and violets done, and paeonies scarce at 75 cents a dozen.

As regards Decoration Day we get so many surprises in the way of weather that it is never safe to predict very much ahead, but present prospects point to a decided shortage in all lines, and a corresponding increase in price. The lack of outdoor stuff will be severely felt, and must have its effect on prices. We hear that there is likely to be some lilac from Northern Michigan, but there is none in this locality, and the same is true of most shrubs. Paeonies, usually so plentiful, have suffered severely from the killing frosts, and there is only about 25 per cent of the usual supply coming in; even where not absolutely cut by the frost



WREATH OF BAY LEAVES AND VIOLETS

the buds appear to be blasted. This time last year the local market was smothered by southern gardenias, which were dumped on South Water street by the truck load and sold for literally nothing. This year the killing frost in the southern states makes these flowers scarce; they are held at 1.50 and 2, and will doubtless go up to 3 next week. Very good ones are coming from Texas and Florida. Some good cornflowers bring 75 cents to 1 a dozen bunches; they sell well, but are not so plentiful as last year.

It is early to give advance Decoration Day prices, but at present it is said roses will be quoted at 5 to 8; carnations 1.50 to 3; *Harrisii* 15, and other stock in proportion. Most of the commission men are not disposed to make a very great increase, in spite of the scarcity of stock; this holiday is one when people demand cheap flowers particularly, but naturally there must be a decided increase over ordinary seasons.

Mr. W. N. Rudd is reported to be doing well though still confined to his bed. His physicians are now confident of his recovery.

The "Chicago Association of Retail Florists" has perfected its organization by the election of the following officers: President, John C. Schubert of the Gallagher Floral Company; vice-president, H. F. Halle; secretary, W. C. Cook; treasurer, A. McAdams; directors, Walter Kretling, Joseph Curran and Charles

Fisk. The stated object of the association is "mutual protection." The organization will inquire into the legal right of merchants to rent bits of the sidewalk, such as are used by the fakirs for stands, and endeavor to force the fakirs off the streets by any feasible expedient that may occur to its members.

Andrew Crawford has resigned as president of the Lincoln Park Board, but retains a position as a member of the Commission. He gives as a reason that when elected it was with the understanding that there should be rotation in the office. As he has served a year it is time for the office to "rotate."

Wreath of Sweet Bay and Violets.

So much ingenuity has been exercised in the designing of floral pieces that anything really new is rarely seen nowadays. The wreath of bay leaves and violets which we illustrate is not only new but is artistic and will, no doubt, prove useful to our readers as suggesting new ideas in funeral design work. It was made by Thorley of New York.

Greenhouse Building.

NORTH WALES, PA.—Dr. D. L. German, one greenhouse.

PITTSFIELD, MASS.—F. I. Drake, rose house 20x100.

BROCKTON, MASS.—H. H. Barrows, one commercial house.

Philadelphia.

Overcoats have been in demand the past week, the weather keeping very cool. All the roses coming in are in consequence close, Beauties particularly being so small as to be almost unsalable. Carnations and sweet peas seem to be improved by the cold spell. Prices remain about the same, Beauties \$3 per dozen for the best, with fairly good short stemmed stock at \$1.50; 4 to 5 per hundred is asked for the large teas and 2 to 3 for the smaller class. Carnations bring 1.50 for first choice, \$1.25 to 1 per hundred for good flowers and \$5 per thousand for large lots. The principal varieties offered are McGowan, Daybreak, Buttercup, Tidal Wave, Sweetbrier and Portia. All these kinds are to be planted in quantity about here for next season as well as small lots of the new ones for trial.

W. L. Edwards of Norwood is cutting some fine giant candytuft; there should be more of this variety grown.

The last of the outside valley is gone and cold storage stock is now on the market; \$3 per hundred is the price. Lilacs are done, but there is plenty of outside shrubbery, and pæonies are making their appearance.

Fairmount Park is now a charming spot, particularly in the neighborhood of Horticultural Hall. The irises have been blooming for some time, as have also the Ghent azaleas. The rhododendrons have commenced to open and in a few days will be seen in all their glory. Since the advent of the trolley nearly all street railways run special cars or will transfer passengers to the park for one fare. This will no doubt greatly increase the number of visitors the coming summer, and make this great pleasure ground more popular than ever.

Quite a number of the growers are getting their roses for summer cutting planted on the benches, Augusta Victoria being the favorite. Some will leave in their Brides and Mermets, while La France and Testout will also be planted by others. Altogether the prospect for good summer stock is very fair. Business is never very encouraging in July and August, but the dealer who doesn't carry a few nice roses in his stock and has only apologies to offer his customers is very apt to lose trade.

The gun club has completed the improvements to their grounds at Wissinoming, and this sport will now be less dangerous and more enjoyable. Before the season is over there will no doubt be some great records made.

When horticulturists meet in session and labor hard from 8 to 11:30 p. m. they must be terribly in earnest. This is the record made by the members at the meeting of the Pennsylvania Horticultural Society held last Tuesday evening at the Century Drawing Room, and the last to be held at this place. The attendance was not large, the night being a very disagreeable one. The four essayists were all present and their valuable papers, showing much thought and care in their preparation, were well received by those present. This meeting completes the work of the different sections and is the last meeting of the society to be held at this room. Resolutions looking to the discontinuance of the meetings during July and August were passed and it is likely that none will be held in these months.

"Manures, fertilizers and their application" was the subject under discussion, and the general tenor of the papers read was that much money was wasted in purchasing plant foods that were not applied intelligently. One-half the money

spent for fertilizers could be wisely used in finding out the kind needed and most suitable for the crops under cultivation, and also the proper time to apply it. The soil was described as a great store house of plant food, but much of it lay dormant and the artificial manures or fertilizers helped to bring this into action. The ingredients of these compounds were given: phosphoric acids, nitrogen and potash being the three principal substances. One speaker said that large companies were being formed to transform the garbage of all our large cities into fertilizers, which would be as valuable as any now on the market. Red clover was highly recommended by one speaker as one of the best of fertilizers, as when ploughed under it supplied the soil with that most useful stimulant, nitrogen.

Farm crops were mostly considered by the essayists, and the horticulturists present, or at least the greenhouse division, did not bear much that particularly interested them except in a general way. One speaker was asked if coal ashes acted in any way on the soil; he replied, none that he knew of, except to make it more porous; there was no chemical action whatever.

The next exhibition of the society, namely, the chrysanthemum show, will likely be held at the Academy of Fine Arts. It is a wonder this building was not thought of before, as it is in every way adapted for a flower show. At a meeting of the committee of arrangements David Rust was elected superintendent of exhibition. This was a good choice, and no doubt Mr. Rust will fill this position with credit to himself and to the society.

Mr. P. Welch of Boston has been recuperating in Atlantic City for the past week.

Mr. Hugh Dickson of Alex. Dickson & Sons, Newtownards, Ireland, arrived from Europe last Saturday, and is visiting Philadelphia and vicinity. K.

St. Louis.

A long continuous rain Tuesday and Wednesday ended a four weeks drouth that according to the Weather Bureau has not been equalled at this season of the year for twenty years. Spring opened exceptionally mild and all tender garden vegetables that were planted accordingly suffered considerably. Monday evening the thermometer dropped to 37°. In South St. Louis and through portions of the Illinois river bottoms grapes were nipped and are now turning black and falling. Many truck gardeners are replanting their potatoes, fearing to rely on the severely checked crop.

The succeeding four days of cool weather caused a decided decrease in the cut flower supply. The plant shipping trade has been slightly affected by it also.

The sixth annual "Flower Sermon" provided for by the will of the late Henry Shaw was delivered Sunday forenoon at Christ's Church Cathedral, by the Rt. Rev. William C. Doane, D. D., Bishop of Albany. Pulpit, chancel and altar were tastily decorated with smilax, roses and lilies. The text selected was Gen. III 8. "The voice of God walking in the garden in the cool of the day" and "the wisdom and goodness of God as shown in the growth of flowers, fruits and other products of the vegetable kingdom" was interpreted in a most eloquent, forcible and masterly manner. Numerous citations of the sentiment so profusely elucidated by poets of all ages; the sympathy and affection prompted by the beauty, glorioussness and radiancy of flowers, and their ennobling and inspiring influence,

were given in an impressive and pleasing style. A high tribute to the gardeners for their devotion and untiring watchfulness over the "beauties of nature" and their unceasing struggle in assisting her to reveal herself in her best garb, compliments in them "the best original bit of the Old Adam by far that survives to-day."

At a special meeting of the Florists' Club held the 16th, the advisability of holding a chrysanthemum show was discussed. In view of the fact that a discount was exacted on the premiums offered by the club last fall to balance the receipts it was intended to establish a \$625 guarantee fund, which in addition to the door receipts and the \$500 show premiums would cover the expenses of a first-class exhibition. A committee was appointed to ascertain whether twenty florists would vouch for \$25 each, to be paid either as personal contributions or in the shape of premiums offered by various business men. On their report it was found the necessary number could not be obtained (a lamentable fact indeed) and the club consequently decided if sufficient interest to successfully arrange for an exhibition was wanting, certainly the best material would not be supplied in the fall and to therefore dispense with it this year.

The sixth annual banquet to the Trustees of the Missouri Botanical Gardeners was given the 17th, at the Planter's Hotel. Among the distinguished visiting guests were Dr. Clarke Gopen, Supt. of Eastern Illinois Insane Asylum, Kankakee, Ill., Prof. Plumb, Director Indiana Agricultural Experiment Station; Dr. C. F. Millspaugh, Botanist of Field Columbian Museum of Chicago; Prof. W. O. Atwater, Middletown, Conn., formerly head of National Bureau of Experiment Stations at Washington; Pres. Henry Wade Rogers of Northwestern University, Evanston, Ill., Mr. J. S. Wright, Botanist of the drug house of Ely Lily of Indianapolis, Ind. E. M.

Rochester, N. Y.

The weather is extremely cold and raw, flowers have been short in supply for the past week; roses are getting smaller. The principal cause for the scarcity is laid to the abnormal and continued cold weather. Prices obtained are and have been a little higher here than in the larger cities, averaging on roses of all grades \$1 per 100 over quotations in principal cities and from 50 to 75 cents over carnation quotations. Rochester in the past had been considered by many growers as a poor market, but the principal shippers to this place now think otherwise. Smilax, which was so scarce for two months is coming in abundantly. The best carnations in market are homegrown, those from out of town are much smaller.

The growers here had to keep up fires in most of their houses, but to those who have suffered by the hailstorm, heating does not help much as long as repairing is not finished. In passing along the different greenhouses we notice that large sized glass suffered most damage. At every place they are busy repairing as fast as they can and the unfinished houses are still covered with building paper, shutters, propagating boxes, holly and bulb boxes, boards, canvas, blankets and Holland hulk bags tacked to the smaller breaks, and every other imaginable article available in a florist's place, the greenhouses presenting a queer sight to a stranger, but the work of repairing is pushed steadily along and in a short time

everything will look pleasant again as formerly.

The Buffalo bowling contest called out some 15 of the Rochester florists in spite of the pressing work caused by the broken glass at home, and they were entertained in a truly hospitable manner at the Tift House by the club, but at the game, as usual when playing on strange alleys, they were left behind, but surely had a good time with their Buffalo friends.

I am sorry to say that W. H. King has been confined to the house for the past week with illness; his friends are anxious to see him about again.

Bedding plants sell slowly yet on account of the cold season and prices are lower here, I think, than in any other locality, so that many leading local florists are speaking of giving up growing spring stock in quantity for the next few years, for it absolutely does not pay to raise it at such low prices. Why, the other day a lady came inquiring price of geraniums by the dozen, and was asked \$1 for plants in 4 inch pots, in bloom of course, but she was posted and promptly replied that they were sold at 60 cents per dozen in certain places. As we knew it to be true we blandly told her to buy there, but that we could not afford to sell at that figure. We have numerous small greenhouses in our vicinity, run by men who do not figure out the cost of raising their plants and who are anxious to dispose of their stock, knowing that there is an overabundance of it in market, but working ever so hard, they can barely make more than a very moderate living. If they sold half of their stock only at fair prices and threw out the other half it would pay them better, and they could live better too, or if they would turn their attention to growing violets, carnations or roses, their gains would at the end of a year amount to four times their present income. J. B. K.

St. Paul, Minn.

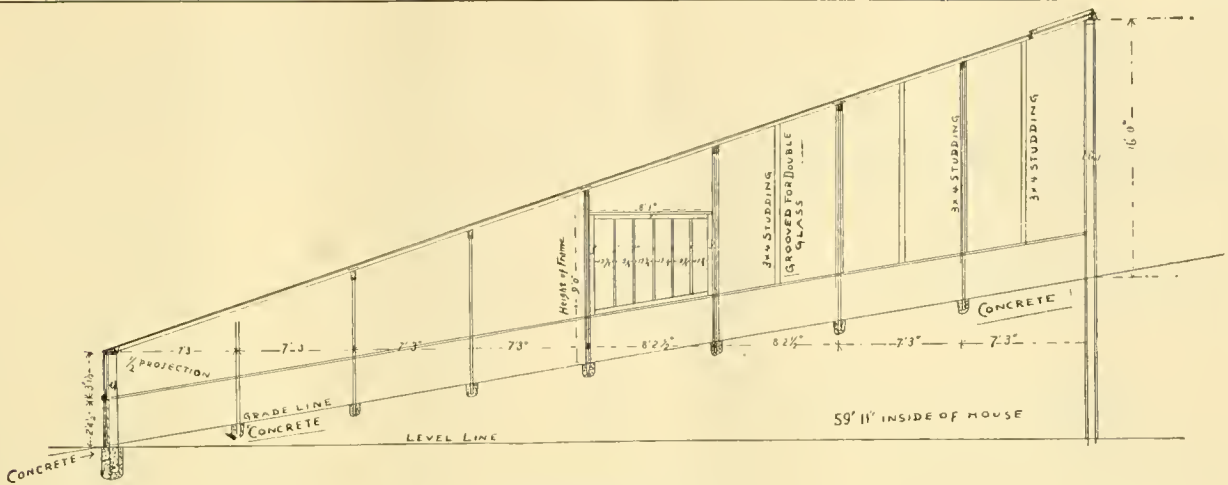
The prevailing low temperature of the past two weeks has called the boilers into use again, especially where cut flowers are grown. Planting out operations have been delayed, though they have now been resumed since the advent of warmer weather.

The cut flower trade has been fairly good. The cut is not large, while the demand has been good. White roses have been very scarce owing to a large amount of funeral work. Carnations are abundant and of good quality.

There will be but few if any outside flowers for Decoration Day and with only a medium size cut inside flowers are apt to be very scarce.

In the plant line sales have been quite slow. Carpet bedding seems to have been given up almost entirely in this section, and the bright hued beds of coleus, alternanthera and the like are replaced by roses, geraniums, cannas, etc.

The monthly meeting of the Florists' Society was held at West Hotel, Minneapolis, Friday evening, May 17. The attendance was very light and it was decided to hold no more meetings until fall. Mr. Joseph Taylor read a very interesting and instructive paper contrasting the trade in this country with that in Europe. New varieties for forcing were recommended by the speaker. The principal trade in Europe is in plants, while here it is in cut flowers. In Europe experienced growers are employed in the stores. In this country many store clerks are entirely ignorant as to the care and



A GREENHOUSE 60 X 300.

culture to be given a plant; the consequence is disappointed customers and poorer sales next time.

De Cou & Co., seedsmen, have removed their store to a more convenient location at 62 East 7th street.

L. L. May & Co. are to have a uniformed base ball team.

J. H. Roach, representing J. B. Rice & Co., was a caller during the week.

FELIX.

A Greenhouse 60x300.

The accompanying drawing shows the construction of a new house now being erected by the John C. Moninger Co. of Chicago for Mr. Fred Busch of Minneapolis, Minn., a large vegetable grower of that city. This house will be 60 feet wide and 300 feet long, the glass facing the south. The roof will be glazed with 16x20 glass and steam heat will be used. The steam pipes will hang close to the roof, just below the purlins and in this way it is believed that the laying of snow upon the roof will be avoided.

This building will be used for growing cucumbers and will contain no benches, the plants being treated much as in the open ground. The drawing shows the end section, and as will be seen there is a very large doorway in the center. This doorway is of such size that a team and large wagon can be driven right into the house. In reference to this style of building, Mr. Busch has had two houses of this style, each 35x150 feet, in actual use since 1892, and he has found them very satisfactory and economical.

In the house of which we give a section the ventilation will be at the apex of the roof and also at each side, but it would seem to us that hardly sufficient ventilation had been provided for such an immense expense of glass. The economy of such a construction over that usually employed is apparent at a glance, especially in the saving of walls, and it would seem that there is a gain in space, practically every square foot having full exposure to the sun. While we would not want to unqualifiedly recommend this style of construction, we would, in view of the satisfaction given to Mr. Busch by his houses built in 1892, consider the matter worthy of careful consideration by intending builders of commercial houses.

We published a short time since an engraving of a house of similar construction erected by Mr. C. S. Swayne of Kennett Square, Pa., who used it for carnations, and he seems to have had very gratifying results.

Cleveland.

In the matter of the Gordon assignment, mention of which was made in the last Cleveland notes, things seem to be moving. The place will be sold as an entirety on June 10 at sheriff's sale. The wording of the legal notice in the daily papers would lead one to suppose that the property, fixtures, stock, etc. were to be sold separately. Such is not the case. Everything is lumped and sold as a whole. Under these circumstances, with the present floricultural outlook, the bidding will hardly be very spirited, which is quite likely to be exactly what is wanted. The upshot of the whole matter might be that the property will come into the possession of the city, to be used for the propagating of stock for park purposes. This, however, is only at present a plausible surmise, founded upon such knowledge as comes into the possession of the outside world. Aside from all consideration of personal advantage to those directly concerned in such a deal, it might not be such a bad idea, provided that the city authorities are not too unmercifully "soaked." Providence, nevertheless, seems to have provided city governments expressly for "soaking" purposes and quite likely the usual municipal fate will overtake Cleveland in this matter.

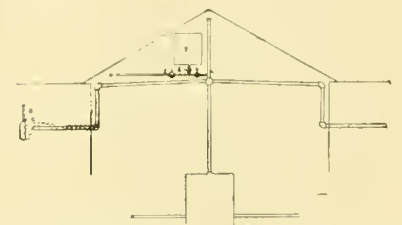
Flowers at this time are extremely scarce, as was to be expected. Lilac and all other available early spring flowers are completely gone, rushed out of existence by the unseasonably hot weather of early May, while the present disagreeable, cold and generally miserable weather keeps all greenhouse stock at a standstill. In fact about all that can be had in quantity are roses, carnations and sweet peas. Of these latter James Eadie is handling some especially fine ones of his own growing. The same lengthy gentleman also has a new carnation, of which I shall have something to say in the future. It is A1 in every way. Wamelink Bros. are sending in excellent roses at present and they seem to go very well too.

Matters in the two larger markets where florists do business have been rather slow, which unpleasant condition arises largely from unseasonable and otherwise bad weather. Two frosts in a week with a fair prospect of more, are liable to make the prudent buyer of bedding stock thrust his lure down into the warmest corner of his pocket and sit himself down by his stove, rather than to get out and stick coleus and "sich" in the ground for old Jack Frost to nip. Meantime the market growers (and others) keep themselves

warm by cussing the weather and the business, or by rushing around to open ventilators at every blink of sunshine, only to do some more rushing five minutes later to jerk the air off again. Truly the florist's life is not in itself necessarily a happy one. A.

Hot Water Under Pressure.

The one requirement in a system of this kind is *absolutely tight joints*, and if this is secured there will be no fault to find. The system is supposed to be connected with the city water supply, but a tank set at the proper height will give an equal pressure and insure rapid circulation, which, together with high temperature, is the point gained by pressure. Under the open tank system it was almost impossible to get the temperature of the water leaving the boiler higher than 190° to 200°, which under pressure it is possible to raise it to 250° to 300°, consequently increasing the circulation many fold.



- A—Water supply.
- B—Air cushion.
- C—Air vent.
- D—Swinging check-valve with $\frac{1}{8}$ -inch hole drilled in disc.
- E—Gate valves.
- F—Emergency expansion tank.

By reference to the accompanying diagram it will be seen that directly over the boiler and connecting with it through a vertical pipe is placed an air cushion (B) which serves the double purpose of preventing the ebullition in the boiler from racking the pipes by sending its steam and air through them, and condenses the steam so formed. The air cushion should be quite large and should be tightly capped so that the air trap will prevent water from rising above the air vent (F C). The swinging check valve (D) should have a small hole, say $\frac{1}{8}$ inch in diameter drilled through the disc in order that the expansion may find its way into the water mains and prevent too great pressure from forming in the system. The gate valve (E) from emergency tank

(F) should be closed when pressure is on and of course the valve in supply should be open.

In case city pressure should be shut off the valve in supply should be shut off and that in tank opened. If radiating pipes have an inclination from boiler as shown by dotted lines in diagram, air cushions and vents should be placed as shown. Hot water may be drawn from a system of this kind with perfect safety, as the pressure is maintained by the check swinging open and filling as fast as it is drawn off.

GEO. LEMONT,

Chicago.

Chrysanthemums in May.

I was surprised to see fine chrysanthemum blooms of the Japanese variety Viviani-Morel while visiting the greenhouses of Mr. James Eadie, Cleveland, O.

The flowers were 5 to 7 inches across, and as this is the middle of May it may be considered somewhat remarkable and opening up great possibilities. It is the second year for the experiment and about 100 plants were grown this year.

They were top cuttings struck in the month of January and grown on into 4 inch pots. They attained a height of 2 and 2 1/2 feet.

During the recent cold snap they were somewhat appropriate, but for "mums" in May it were better they were mum! ugh!

B.

Dutchess County Horticultural Society.

At the last meeting of the Dutchess County Horticultural Society held May 8, the schedule of premiums to be offered for the chrysanthemum exhibition to be held at Poughkeepsie, November 6, 7 and 8, was adopted. Copies may be had by making application to the secretary, Wallace G. Gomersall, Fishkill-on-Hudson, N. Y.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By a practical florist, experienced in growing cut flowers for city store. Address "GROWER," care American Florist.

SITUATION WANTED—As manager small place, S experienced in all branches of work; can bring 50 finest chrysanthemums. Address CAPABLE, care American Florist.

SITUATION WANTED—As grower and florist in S commercial place; 10 years' experience; unmarried. Good references. Address FLOREST, 56 Tyler St., Boston, Mass.

SITUATION WANTED—By a first-class rose grower, S propagator and general plantsman, to take charge. First-class reference. Address GROWER, 10 Sherman St., Chicago.

SITUATION WANTED—Store work, thoroughly experienced; first-class designer and decorator; permanent place wanted. Address FLOREST, care Mt. Sterling Floral Co., Mt. Sterling, Ky.

SITUATION WANTED—By practical florist and gardener, able to manage greenhouse, either private or commercial; best references; cut flowers specialty. Address FRANK OTTO, 2 60 N. Ashland Ave., Chicago.

SITUATION WANTED—As foreman by a first-class rose and cut flower grower; good propagator and general plantsman; best of references; good wages expected. Address METEOR, care American Florist.

SITUATION WANTED—By florist and salesman in S retail store, well experienced in all branches of trade; a total abstainer, good character; first-class references. Address SALESMAN, care American Florist.

SITUATION WANTED—By thorough, practical, all-round florist, 16 years' experience, single; commercial or private place; well experienced in cut flowers, as well as all kinds of pot plants. Address C. N., care American Florist, Chicago.

SITUATION WANTED—By gardener, young man of S good habits, with private family, to take charge of greenhouse lawn and garden, or would take position as assistant; best of references. Address WM. SCAIFE, care Blair Lodge Greenhouses, Lake Forest, Ill.

DREER'S OFFER OF One Hundred Thousand Dwarf French Cannas.

We are now sending out a very fine lot of Cannas in strong, well-established plants in 3-inch pots.

REMEMBER these are not freshly divided plants out of moss or soil, but well established in 3-inch pots and will make a display at once.

Alphonse Bouvier
Chas. Henderson
Madame Crozy
Paul Marquet
Admiral Gervais
Antoine Crozy
Admiral Courbet
Baron de Sandrans
Baron de Renowardy
Camille Bernardi
Comte Ganay
Charles Moore
C. Reneau
Chas. Dippe
Comte Horace de Cholsenl
Cheoph Vlard
Col. Dedds
Duchess de Montenard

Deull de St. Grevy
Explorateur Crampbel
Edward Mieg
F. Chevreul
Edward Michel
F. Neuvessel
Francols Combrin
Francols Maire
Geoffroy St. Hilaire
Gustay Senneholz
J. D. Caboa
J. Thomayer
Ingenieur Alphand
L. E. Bailey
M. Lefebvre
Marquise Arthur L'Algle
Mr. Cleveland
Maurice Mussy

Miss Sarah Hill
Nelle Bowden
Orange Perfection
Professeur Gerard
Princess Sualsquam
Paul Sgrist
Florete de Biorlet
Perfection
Progression
Kaiser Wilhelm
Senator Montellere
Statoaire Fulconla
Secretary Stewart
Sophie Buchner
Stadgartner Senneholz
Seglonaire
Trocedero
Ventura

Any of the above varieties, 75c. per dozen; \$5.00 per 100; \$45.00 per 1000. Well established plants from 3-inch pots. Queen Charlotte, 50c. each; \$5.00 per dozen.

For five dollars we will furnish one each of the above fifty-five varieties including one Queen Charlotte, and one each of ten other very choice sorts not listed above, making 65 fine distinct sorts. This will make an interesting collection at an unprecedentedly low price.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

SITUATION WANTED—As working foreman in a S commercial place, where catalogue cut flower and plant trade is a specialty; quick, sober and reliable; experienced in roses, carnations and "mums"; a first-class propagator, married; best of references. Address with full particulars CHAS. A. MOSS, 174 Angler Ave., Atlanta, Ga.

SITUATION WANTED—By competent florist, German-American, age 25, single, to take charge. Anybody wishing a first-class man for growing roses, carnations and general cut flowers, also apring stock, well up in all floral decorations, best of references, please address, with salary to be expected, etc., F. N. QUICKERT, 407 S. Ulca St., Waukegan, Ill.

WANTED—1,000 or 2,000 plants of Perle Roses 2 or 2 1/2 inch, strong. R R, care Am. Florist.

WANTED—A quick, reliable young man for the mall plant business in the west. R R, care American Florist.

WANTED—Pteris tremula and Pteris argyrea 2 and 3-inch pot plants. Address NANZ & NEUNER, Louisville, Ky.

WANTED—A few hundred dormant roots of Canna Star of 91. Address WESTERN, care American Florist.

WANTED—A few dozen canna Queen Charlotte. Address, stating size and condition, with lowest price per 100. R R, care American Florist.

WANTED—To rent a place of about 5,000 to 10,000 feet of glass in good order. Address, all particulars, FLOREST, 106 S. Genesee St., Waukegan, Ill.

WANTED—Man to assist proprietor in the management of 25,000 square feet of glass. Must understand his business and know how to keep things going. Also young lady for cut flower store. Address DR. J. S. HINNERSHOTS, Reading, Pa.

FOR SALE—Good retail florist business; live city in northern New York State, at a bargain. Address M, care American Florist, Chicago.

FOR SALE—A good retail cut flower store in city; good location; fair trade. For particulars address B K, care American Florist.

FOR SALE CHEAP—Any below items separately or together: Two Hitchings hot water boilers, size 10; 4-inch pipe, 1,700 feet; two greenhouses, total 42x30 feet. Address GEORGE V. ADELMAN, Aesthnee, Franklin, Venango County, Penna.

FOR SALE—Paying nursery, 40 acres, long, cheap lease; can sublet same for big figure; 25,000 assorted trees, place for bees, hotbeds, florists; Johns city park, center city; all 1/2 value; owner seeks health, lower altitude. Address E. W. SEBBEN, Denver, Colo.

FOR SALE—Three greenhouses, one 20x60, two 11x48; S two-room dwelling, all new, plenty water; on three acres leased ground, cheap rent; in good water; Midsouth town; no competition; small cash payment, balance easy. Address BUSINESS, care American Florist.

FOR SALE—Our entire stock of Palms, Ferns and Decorative Plants; six 150-foot houses of the finest decorative stuff in Western Pennsylvania at your own price; it will pay to come and see it if you want good stuff cheap; must be sold before June 15th. Address JOHN B. A. MURDOCH, 508 Smithfield St., Pittsburg, Pa.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. Within 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business wide and established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address MARY A. McCLINTOCK, Administratrix, Harrisburg, Pa. W. F. DAIRY, her Atty., Steelton Pa.

FOR SALE OR LEASE. Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCORN, Dubuque, Ia.

TO LET.

Three greenhouses 17x100 each, one heated by hot water, and two by a steam boiler. Good chance to propagate; lots of land to do as one wishes. Stocked with Perles, Brides and Meterns. Three minutes walk to the depot, fare to Boston. Good home trade. To responsible parties I will let it cheap. J. C. NEWTON, 7 E. Newton St., Malden, Mass.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 45 lots or 236 feet front on Belmont Ave. by 70 ft. deep, 5 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL, Belmont and Western Aves., Chicago.

TO EXCHANGE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order.

TO EXCHANGE—Pink and white hollyhocks for Mrs. Fisher carnation plants. Address GEO. SOUSTER, Elgin, Ill.

DARLINGTON BROS., Morristown, Tenn.—OFFER in small lots, or assorted, 5-in. Florence Vaughan Canna, Pelnrgonium "Favorite," 3-in., Double White Stocks, Basket Plants, "Favorite," etc. A local stock. Name your wants. WANTS—Rose Geraniums, Carnations, Ferns, new Roses, Swainsona, Water Lily.

1000 EACH Meteors American Beauties.

Good strong plants in 4 inch pots. Cheap. Write

GEO. A. KUHL, Pekin, Ill.

FORCING ROSES OF ALL KINDS.

CARNATION PEACHBLOW.

For reasonable price.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

LEMON OIL INSECTICIDE,
Used now by the leading Florists.
75c. per quart; \$1.25 per 1/2 gallon; \$2.00 per gallon; \$3.00 for 5 gallons.
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Rose Plants

FROM THE

SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride,
Meteor and Testout.

Please write, stating just what you want, and I will quote you a bargain.

Original of the **FRANK L. MOORE,**
ROSE Chatham,
BRIDESMAID. NEW JERSEY.
Mention American Florist.

ROSES

FOR THE SEASON'S SUPPLY.

Now is the time to make up your list. My stock of all the leading varieties is now in extra fine condition for shipping in 2 and 3-inch; also all the best bedding varieties in grand plants, 3 and 4-inch, at prices to suit the times.

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Now is the time to make your selection for 6-inch, single stem pot plants, also for bench growing. I have a fine lot specially prepared for these purposes of all the leading varieties both for exhibition and cut flower purposes.

JOHN N. MAY, Summit, N. J.
Mention American Florist.

Surplus Stock ROSES.

About 4,000 strong, healthy stock in 2½ and 3-inch pots for sale cheap, consisting of the following varieties:

BEAUTIES, BRIDES, BRIDESMAIDS,
MERMETS, HOSTE, NIPHETOS,
PERLES and KAISERIN.

J. M. GASSER,

Euclid Avenue, CLEVELAND, O.
Mention American Florist.

40,000 AMERICAN BEAUTIES

All forcing stock that will stand the most critical inspection. **TRY THEM.** \$5.00 and \$6.00 per 100; \$45.00 and \$ 0.00 per 1000. Per 100 Per 1000
THE BRIDE.....\$4.00 \$35.00
CHK. DE NOUE..... 4.00 35.00
METEOR, extra strong..... 3.50 30.00
NIPHETOS..... 3.50 30.00
MERMET..... 3.00 25.00
MME. COCHET..... 5.00 45.00

ALL OTHER VARIETIES SOLD OUT.

NOTICE.—All our forcing Roses are strict January propagation, and made only of selected wood from our cut flower ranges, such stock we plant ourselves.

Free sample on application. Cash with the order.

SMILAX. Fine 2-inch stock, January sown—2 and 3 plants to the pot, \$1.50 per 100; \$10.00 per 1000.

VARIATED VINCA, 2 year old plants out of 4-inch pots, \$10.00 per 100.

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ROSES.

A fine lot of PERLE ROSES, clear stock just fit to repot for growing on in 2½-inch pots, \$3.00 per 100.

Send in your orders quick, and cash with order. **JOHN WHITE, FLORIST,**
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You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

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BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY.

THIS IS WHAT HE SAID!

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COME AND SEE IT FOR YOURSELF.

\$35 per 100; \$250 per 1000.

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HEADQUARTERS FOR THE WONDERFUL NEW ROSE

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The Largest and Finest Stock in America.

Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots, \$15.00 per 100. Ready for immediate shipments.

ELLWANGER & BARRY,

Mt. Hope Nurseries, ROCHESTER, N. Y.

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YOUNG ROSE PLANTS.

10,000 Am. Beauties.....	Per 100 \$5.00	1,000 Mermets.....	Per 1000 \$3.00
3,000 Meteors.....	3.00	1,000 Duchess of Albany.....	3.00
3,000 Mme. C. Testout.....	6.00	2,000 La France.....	3.00
4,000 Kaiserin A. Victoria.....	6.00	2,000 Daybreak Carnation.....	1.50

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When writing mention the American Florist.

BEAUTIES, MERMETS, CUSINS,
PERLES, BRIDESMAIDS, BRIDES,
WOOTTON, WATTEVILLES AND
Rooted Cuttings. Plants and Smilax.

ROSES

BELLES, TESTOUTS, NIPHETOS,
METEOR, HOSTE, LA FRANCE,
AUGUSTA VICTORIA.
Cash with order. Address for quotations

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

ROSES.

Fine young plants from 2½ inch pots.
Per 100 Per 1000
BRIDE, MERMET.....\$3.00 \$25.00
GONTIER, WHITE LA FRANCE, 3.00 25.00
HERMOSA, HOSTE..... 3.00 27.50
MARIE LAMBERT, SUNSET..... 3.00 27.50

Terms cash with order.

THE NATIONAL PLANT CO., Dayton, O.

Mention American Florist.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

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Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
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No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.

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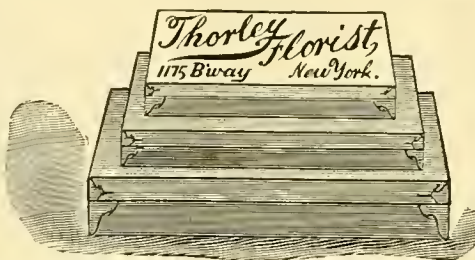
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

"FAMILIAR FLOWERS OF FIELD AND GARDEN" by F. Schuyler Mathews differs from most books of its class in being almost entirely devoid of the poetry, symbolism and sentiment with which such works are usually overburdened. It is the simple story of an artist and color enthusiast who is bluntly practical, and warms up only when he touches upon some flower whose wide range of color gives him an opportunity to enthuse over tones, tints, shades and hues. In defining the colors of the wild flowers Mr. Mathews endeavors to be scientifically exact, often taking issue to the descriptions as given by Prof. Asa Gray, to whom he frequently refers as a partially color-blind botanist, but occasionally getting rather deep for the ordinary reader, as when he speaks of the color of the common milk weed as "pale lavender brown with a few touches of pale brown lavender." The flowers described are mainly those, both wild and cultivated, which have become familiar to the artist in his summer home in the New Hampshire mountains, and include annuals and perennials, deciduous, herbaceous and bulbous, indiscriminately, the only classification being as to their time of flowering. In commenting upon a work of this character one should not be too critical, but the omission of two such familiar favorites as the wild rose and clover blossom seems inexplicable. The volume is beautifully embellished with over two hundred accurate drawings by the author, and the appendix gives a valuable index to the names, colors and localities of some five hundred familiar flowers of the United States. Altogether it is a decidedly valuable addition to our floral literature. Published by D. Appleton & Co., New York.

GOOD PANSIES.—We recently received a box of pansies from I. E. Coburn, Everett, Mass. They represent a strain Mr. Coburn has been growing and selecting for about 20 years, finding them particularly valuable for market use. The flowers, of good size, were of exceptionally fine substance, lasting well, and the variety of coloring was remarkable. There were selfs of great brilliance and richness, and many unique margined and flaked forms. Some singular blues, maroons and chestnuts especially attracted us. We do not wonder that Mr. Coburn finds them valuable for market. He grows about 200,000, wintering most of them under a light covering of salt hay.

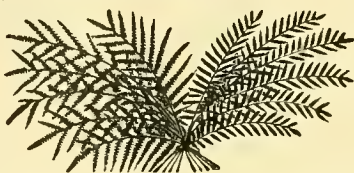
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Wholesale FloristREAR OF 42 S. 16th STREET,
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Mention American Florist.

The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,NEW YORK SALESROOM:
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**Hardy Cut Ferns,**

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

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The great reduction sale of

ORCHIDS

at 50 cents each begins Monday, May 20th, and will last until surplus is sold. Mail orders solicited.

PITCHER & MANDA, Inc.,
Short Hills, N. J.**Michael A. Hart,**
Wholesale Commission Florist.

ALL STOCK IN FINEST GRADES.

113 W. 30th St., NEW YORK.

Telephone Call 1307 38th St.

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(Formerly with THEO. ROEHR'S.)
Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.**The Boston Flower Market**is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of Sale. TERMS STRICTLY CASH.
Address JOHN WALSH, MANAGER,
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."**WISCONSIN FLOWER EXCHANGE,**
CUT FLOWERS, PALMS AND FERNSNow ready a large supply of
Cape Jasmine, outdoor Valley, Common
Ferns, Smilax and Adiantums.
Write for quotations.
468 Milwaukee St., MILWAUKEE, WIS.**Asparagus Plumosus Nanus.**

Cut Strings, 8 to 10 feet long,

50 CENTS.

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Cycas Leaves. FRESH CUT
each 75c.
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Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

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Near Tremont St., BOSTON, MASS.

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Wholesale Florist,
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A complete line of Wire Designs.

ORCHIDS OUR SPECIALTY.
THE FINEST STOCK AND SELECTION IN THE WORLD.
New and Rare Plants for the Stove, Greenhouse and Conservatory.
SANDER, St. Albans, England,
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A. DIMMOCK, Agent, care Bolker's Auction Rooms, 101 and 103 Liberty Street, New York City
Send for illustrated catalogue.

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WHOLESALE CUT FLOWERS,
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

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WHOLESALE CUT FLOWERS,
 and **FLORISTS' SUPPLIES.**
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If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

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Agent for finest grades Waxed and Tissue Papers.

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 PHONE MAIN 223. CHICAGO.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
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Our Roses best them all, in quality. Headquarters for fine American Beauties.

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 (Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

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COMMISSION FLORISTS,
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Consignment solicited. Prompt attention to all orders.

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Wholesale Markets.

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Roses, Perle, Hoste, Cusin	1.00@2.00
" Mermec, Watteville, Brides	1.00@3.00
" Bridesmaid	1.00@3.00
" La France	1.00@3.00
" Testout	1.00@3.00
" Meteor	1.00@3.00
" Beauty	5.00@20.00
" seconds	1.00@2.00
Moss per bunch	.50@1.00
Carnations	.25@.75
fancy	1.00@2.00
Valley	2.00@3.00
Harrisil lilies	3.00@4.00
Mignonette	1.00@4.00
Smilax	25.00
Adiantum	1.00
Asparagus	50.00
BOSTON, May 21.	
Roses, Niphetos, Gontier	1.00@2.00
" Perle, Sunset	2.00@3.00
" Mermets, Brides	1.00@3.00
Carnations	.00@2.00
Tulips Poeticus	1.00@2.00
Longiflorum	2.00@4.00
Astibe, Mignonette Stock	1.00@2.00
Marguerites, Mysotis	.75@1.00
Fanals	.25@.50
Adiantum	1.00
Smilax	25.00@30.00
Asparagus	50.00
PHILADELPHIA, May 21.	
Roses, large teas	3.00@5.00
" small teas	2.00@3.00
" Beauties	10.00@25.00
Carnations	.75@1.00
extra	1.50
Asparagus	35.00@50.00
Valley	3.00
Harrisil	8.00
Cattleyas	25.00@35.00
Sweet peas	.35@.50
Mignonette	1.00@2.00
Smilax	15.00@25.00
CHICAGO, May 23.	
Roses, Beauties select	15.00@25.00
" seconds	8.00
" Large teas	3.00@4.00
" Small teas	2.00@3.00
" Meteor, Testout	4.00@5.00
Carnations	1.00@1.50
fancy	1.50@2.00
Valley	3.00
Harrisil, Callas	10.00
Cornflowers, per doz. bunches	.75@1.00
Gardenias	1.50@2.00
Sweet peas	.30@.50
Panolas	8.00
Smilax	15.00@20.00
Adiantum	.50@1.00
BUFFALO, May 22.	
Roses, Beauty	20.00@30.00
" Mermec, Bride, Bridesmaid	4.00@5.00
" Meteor	4.00@5.00
" Perle, Hoste, Cusin	3.00@4.00
Carnations, long	1.00@1.50
short	.75
Sweet peas	1.00
Valley	3.00
Smilax	15.00@20.00
Adiantum	1.25
Asparagus	50.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART,
Cut Flowers AND Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS
 JOBBERS IN
 FLORISTS' SUPPLIES,
 FLORISTS' VASES.
 METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND.
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 HORTICULTURAL AUCTIONEERS.



Always mention the American Florist when writing to advertisers.

THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
Meteor,
Testout,
 And all other desirable roses, grown especially for first-class trade.

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Cut Flowers,

WHOLESALE
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FLORIST,
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Roses Shipped to all points. Price list on application

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Careful Shipping to all parts of the country. Price list on application.

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CUT • FLOWERS,
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FINE ROSES
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 51 West 28th St., NEW YORK.

THEO. ROEHR,
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FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

FRANK MILLANG,
WHOLESALE FLORIST
 408 East 34th Street,
 Cut Flower Exchange, NEW YORK.
 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DUNN, 114 Chambers street, New York, secretary and treasurer.

Philadelphia Seed Notes.

The rush of the season being now over the seedsmen here have time to breathe again and are willing to talk on the results.

At Wm. Henry Maule's Mr. Frank C. Bruton cheerfully gave a half hour to your scribe, and reported that the season generally had been much better than was anticipated. March was a bit slow but April more than made up for it.

Their best selling items this season were the Davis bean, the new Imperial tomato and the Grand Rapids musk melon. The Imperial originated in Vermont in a field of Dwarf Champion. It is extra early, large and very solid. The Notts Excelsior pea is another notable seller, being an improvement on American Wonder and much more profitable than that favorite sort. In potatoes the Freeman for early and Irish Daisy for late were the favorites this year, while the Lupton cabbage takes the lead in that vegetable. Mr. Maule still swears by the Mastodon corn, of which he now has a greatly improved type secured by careful selection for several seasons.

On being asked if the handsome pansy litho on front cover of their catalogue helped the sales of that item Mr. Bruton replied in the negative. He thought the sales ran about the same as usual. There was decided improvement in the popular demand for tuberoses, gladioli, cannas, lilies and other standard spring bulbs. Dahlias were especially good sellers. There seems to be somewhat of a revival in the taste for this good old flower and it seems safe for the catalogue men to give it more space next year. Sweet peas were again "all the go," demand being wonderfully good and stock well cleaned up notwithstanding liberal preparations. They are "down on" Albino tuberose here, as that item did not show up well in the trials last summer. Mr. Maule sends out over 500,000 catalogues (large and small) and has one of the best arranged and best equipped establishments in the country for conducting a mail trade. Like most seed stores they are bothered here with mice, which do considerable damage. Commenting on the absence of a tabby your scribe was told none were on the place, as the boys got 10 cents per mouse tail every Saturday night at the office. This fact may account for the absence of Mr. Maule from the advertising columns of the expensive periodicals this year, about which some of his contemporaries have had comments to make. Seriously, however, there seems more converts than ever this year to the theory that the day for making large display ads. in these high priced mediums has gone by, and it's very doubtful if they will ever return again.

Mr. Stokes (of Johnson & Stokes) is decidedly of this opinion. "Time was," he said, "when we could put a display ad. of corn in these mediums and make it pay handsomely, but you can't now for your life."

Mr. Stokes appeared well pleased with the season's business. Although March was disappointing February and April were very good, and there were fewer spurts than in '94, which enabled them to handle the business more easily. Onion seed went well with them notwith-

standing that they offered at stiff rates. Entirely cleaned out of yellows and had to go outside for more. This firm does a heavy trade with market gardeners; but their other lines are increasing. The sweet peas, for instance, a big increase in the business done was noted. The cow pea was another item that had a run. It is being more largely used north for soil-ing. This and crimson clover seems to be here to stay. Mr. Stokes is a strong believer in half tones from photos for illustrating their catalogues. He has a complete photographic outfit and gets lots of amusement out of this, which is quite a hobby with him. Some authorities claim that 5,000 or 10,000 impressions is all that can be run from a half-tone plate, but Mr. Stokes says that they can run 50,000 with a good printer.

H. G. Faust & Co. have also had a good season—much better than '94. They report a greatly increased demand for peas this year. This coincides with the experience of others and there is undoubtedly a better appreciation of this fine vegetable among all classes. Advancer is the favorite. Five years ago there was but little of it sold here, but it has forged to the front very rapidly and is now the leader. The demand for crimson clover during the spring has been larger than expected, the trade in this being as large as that of last summer, which would indicate a good demand for next July. Bulbs of all kinds were in good demand. Bush Limas, Country Gentleman sweet corn, Conn. Field pumpkin and peppers sold extra well, and flower seeds were never better. Altogether the business has been very satisfactory this year.

Henry F. Michell's is one of the busiest hives in the city at present, his trade being largely custom and counter business. Mr. Michell thinks his trade has increased fully 10% over '94. Novelties have sold better than usual. California Golden Bells has taken well. Crimson Rambler rose, strobilanthes and Bougainvillea Sanderiana also very good sellers. Mr. Michell has a sweet corn that he calls "Delicious" which has been very popular. It is a medium early, somewhat resembling Staffer's and is exceedingly sweet. Sweet peas are 25% ahead of last year. Esculent peas, very much increased demand. Spring bulbs very good, especially tuberoses, begonias, gladioli, dahlias and Japan lilies. There is still a good demand for cannas, the leaders being Florence Vaughan, Chas. Henderson, Madame Crozy and Alphonse Bouvier.

G. C. WATSON.

ONION BLIGHT is reported as active in some of the California fields.

BIRMINGHAM, ALA.—D. A. Helmich & Co., have assigned to L. G. Pettyjohn. The liabilities are about \$1,700. The company operate a seed store on Nineteenth street.

MR. J. C. VAUGHAN left last Saturday for the Pacific coast, where he will make a brief stay. Mr. C. Cropp, of the New York branch, is in charge at Chicago during his absence.

THE FIRM of Oscar H. Will of Bismarck, N. Dak., has changed to Oscar H. Will & Company, taking in John M. Johnson, who has been in the employ of Mr. Will for the past 12 years.

THE WAR DEPARTMENT at Washington is inviting proposals until May 28 for furnishing the bulbs required for the public grounds and the greenhouses of the Executive Mansion. Col. John M. Wilson,

office of Public Buildings and Grounds, is also inviting proposals until same date for florists' supplies needed by the Department for the ensuing year.

BULLETIN 90 of the Cornell University Agricultural Experiment Station is devoted to the China asters, with remarks upon flower beds. The latter subject is an interesting plea for the use of artistic borders, instead of meaningless beds cut out in the lawn. The main part of the bulletin, devoted to the asters, will be found to possess both interest and value to the trade. It treats of the history and development of this flower, and gives a concise description of all the good strains of the present day. We know of no other source whence one can obtain comparative descriptions, and this bulletin will possess a permanent value for florists and seedsmen.

Catalogues Received.

J. P. William & Bros., Heneratgoda, Ceylon, tropical seeds and plants; same, bulbs and tubers; D. Hay & Son, Montpelier Nursery, Auckland, New Zealand, trees, plants and bulbs; Nanz & Neuner, Louisville, Ky., retail list plants, seeds and bulbs; same, wholesale list; Wood Bros., Fishkill, N. Y., trade list plants; Waterbury Rubber Co., New York City, greenhouse hose; W. & J. Birkenhead, Sale, England, ferns and selaginellas.

Lancaster, Pa.

Landis & Co., who now have the old Rohrer place, is a firm of young men, but the place is kept well up to date.

H. D. Rohrer's fine new range of houses are well worth a visit. Carnations are the main crop, but as soon as the cut is unprofitable out they go and the space is used for lettuce or tomatoes. Mr. Albert M. Herr grew the following varieties of carnations the past season: Iago, Tidal Wave, Helen Keller, Sweet Brier, Wm. Scott, Albertini, The Stuart, Uncle John, Aurora, Daybreak and Lizzie McGowan. All were in solid beds. Uncle John has been perfectly satisfactory with him and will divide honors with McGowan next season. Helen Keller has also given good results and next season he will plant three houses with this variety instead of one as last year. The other varieties will all be grown in greater quantity the coming season.

Daniel K. Herr's place is devoted to seedlings, plants for the mail trade, and general bedding stock.

B. F. Barr, who has now the entire property formerly owned by Mr. Bitner, has in his combined plant a total of 75,000 feet of glass.

Frank Konr is enlarging his plant on a newly purchased farm. It is said that he grows the best Buttercup carnations in this section.

Elmer Weaver's place at Ronks Station, shows that he is an up to date florist and entitled to a place in Lancaster county.

Geo. B. Wilson, the present owner of "Wheatlands," grows a general stock for local trade. The excellent spring water on this place is phenomenal and a source of delight to one who has viewed pure Schuylkill when it is muddy.

Harry Schroyer was seen at his store. He and other Lancaster florists were enthusiastic about the coming convention and there will be a full delegation from this section at Pittsburg. F.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

SEASONABLE STOCK.
IN FIRST-CLASS ORDER.

Acalypha Macafeana, 2 1/2-inch pots.....	Per 100 \$5.00
Ageratum, Cope's Pat. 2 1/2-inch pots.....	2.00
Alyssum, Tom Thumb, 2 1/2-inch pots.....	2.50
Begonia Vernon, 2 1/2-inch pots.....	3.50
Cannas, dry roots, French seedlings.....	2.00
Coccoloba (Muehlenbeckia) Platycada, 2 1/2-inch pots.....	5.00
Coleus, Golden Crown, Firebrand, Beckwith's Gen., Purple Prince—a sturdy variety, superior to Hero, 2 1/2-inch pots.....	2.00
Ariel, dwarf, a beautiful var., 2 1/2-inch pots.....	4.00
Cuphea platycentra, 2 1/2-inch pots.....	2.50
Fuchsias, leading sorts, 2 1/2-inch pots.....	4.00
Cazania splendens, 2 1/2-inch pots.....	5.00
Ceraniums, Gen. Grant, and other leading bedding sorts, 2 1/2-inch pots.....	4.00
Ivy, Souv. de Chas. Turner, P. Crozy, etc., mixed, 2 1/2-inch pots.....	4.00
Cerman Ivy, 2 1/2-inch pots.....	2.00
Hibiscus, mixed rubra, grandiflorus, etc., 4-inch pots.....	8.00
Heliotrope, 2 1/2-inch pots.....	3.00
Pilea Serpyfolia, 2 1/2-inch pots.....	2.50
Solanum Jasminoides, 2 1/2-inch pots.....	10.00
Stevia serrata variegata, from flats, strong	2.00
Swainsona galegifolia alba, very fine and strong, 2 1/2-inch pots.....	4.00
Manettia bicolor, 2 1/2-inch pots.....	5.00
Alternanthera, rooted cuttings.....	.75
Coleus, rooted cuttings.....	.75

N. B.—The above prices are f. o. b. at Oyster Bay, without the pots.

SEAWANHAKA GREENHOUSES,

P. O. Box 34. Oyster Bay, Queens Co., N. Y.

COLEUS.

Rooted Cuttings.....	Per 100 \$.60
From 2-inch pots.....	1.50
Alternanthera, 2-inch pots.....	1.50
Ageratum, white and blue, rooted cuttings.....	.50
2-inch.....	1.50

CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

The most Complete Assortment of Stock in the West for

FLORISTS and NURSERYMEN.

Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.

Catalogue and Price List free.

THE STORRS & HARRISON CO.,
Painesville, Ohio.

New Fuchsia LITTLE BEAUTY. 50,000. Now Ready.

The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$3.50 per 100.

GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$3.25 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist.

4010 Butler Street, Pittsburgh, Pa.



Gardiner's Celebrated English Mushroom Spawn. Fresh and Reliable. \$7 per 100 lbs. Special price on larger quantities. John Gardiner & Co., Philadelphia, Pa.

MAY OFFER.

ALTERNANTHERA, red and yellow, 2 1/2-in. pots.....	Per 100 \$2.50
ENGLISH IVY.....	2.50
GERANIUMS, 4-inch pots, assorted.....	5.00
COLEUS.....	2.75
PANSIES, small, \$1.00; larger.....	1.75

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention American Florist.

ALWAYS mention the AMERICAN FLO-
RIST when writing to advertisers.



JAPANESE LONGIFLORUMS
Why not try some of these instead of the Bermuda stock? Cheaper, and no Harrisii mix. I can deliver by Oct. 1st if I hear from you at once. Let me figure on your other wants in the bulb line.
G. C. WATSON, 43 North 10th Street, PHILADELPHIA, PA.

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VAN ZANTEN & CO.,
Hillegom, Holland,
Headquarters for High Grade Forcing Bulbs

HYACINTHS, TULIPS, NARCISSUS OUR SPECIALTY.

Prices Low. Best Quality.

Ask for wholesale price list to S. ASCHER, 16 Exchange Place, New York City.

WE HAVE A 2,000,000 FREESIA REFRACTA ALBA AND MUST DISPOSE OF IT.
We therefore offer to accept up to July 1st, orders for well matured, fine Bulbs 1/4 to 3/4-inch diameter and over, per 100 50 cts.; per 100, \$3.50; per 10,000 \$32.00; per 50,000 \$150.00. DELIVERY IS INCLUDED IN THESE PRICES.
JAPAN LONGIFLORUM. Cheaper and better than Harrisii. TRY THEM.
CALLA ETHIOPICA. LITTLE GEM CALLA.
Send for our NEW Price List. We will give 10 per cent. discount on ALL orders booked up to July 1st.
Address H. H. BERGER & CO.,
ESTABLISHED 1878. SAN FRANCISCO, CAL.

IMPORT PRICES
ON ALL
FALL BULBS
NOW READY.
Seasonable Deliveries
on
Every Item.
VAUGHAN'S SEED STORE

New York: 26 Barclay St. CHICAGO: 84 & 86 Randolph St.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

FINEST OF BULBS
AT LOW RATES.
Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.
HULSEBOSCH BROTHERS, Englewood, N. J.
Mention American Florist.

WE SELL SEEDS
Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
Seed Merchants and Growers,
114 Chambers Street, NEW YORK.



TRY DREER'S GARDEN SEEDS, Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER, Philadelphia, Pa.

LILIUM HARRISII.
Original and largest growers of this important bulb.
OUR SPECIALTY!
True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
TARRYTOWN-ON-HUDSON, NEW YORK.

Plants for Sale
in large and small lots. Cabbage, Tomato, Sweet Potato, Pepper and Egg Plants from now until the first of June.
HENRY HESS, Cockeysville, Balto. Co., Md.

Grand Rapids, Mich.

A meeting of the Grand Rapids Florists' Club was held May 21 at the home of the treasurer, Mr. B. Stover, about twenty-five members being present. Mr. Geo. Crabb gave a short address on rose planting. He used during the past season only three inches of soil in his benches, which settled to two inches. American Beauties, Perles, Mermets, Bridesmaids and Meteors all flourished alike in this depth. He uses no rotten manure whatever, but prefers it fresh from the stable, both for mixing with the soil at time of planting and also for mulching. Where the steam pipes were placed on the inside of the outer legs of bench he had the best results. Where pipes were under the bench he found the most red spider; from a side bench of Perles 30x4 feet he cut six hundred roses (Perles) in one week.

The discussion brought out the fact that four inches was the universal depth of soil after settling, and most growers here uses rotten or partially rotten cow manure for all purposes. Fresh manure applied as a mulch is always accompanied by a multitude of small black spots covering the entire plant.

Owing to a seed firm offering pansies, the seed of which cost \$20 per ounce wholesale (?), for 15 cents per dozen at a special sale the club discussed the advisability of lowering the regular price, but it was decided a poor principle, as the price at the close of one season sets the price for the beginning of the next. The committee on chrysanthemum show is meeting with encouragement and everything points to success. J. A. CREELMAN.

Baltimore.

The continual rain is largely responsible for slow sales. No doubt we will have to do the business of a month during the next two weeks, as but very little planting out has been done yet.

Messrs. Madsen & Anderson are putting up two rose houses one hundred feet long.

Mr. Wm. J. Halliday has built a beautiful plant wagon of the largest size, with heating apparatus and glazed ventilators, making it a complete conservatory on wheels.

The display of plants at the markets was never finer, but complaints of slow business are numerous. MACK.

Pittsburg.

John R. & A. Murdoch are closing out their plant department and have leased their greenhouse property to the firm of Randolph & McClements. They will still remain in the cut flower and seed business at their old stand on Smithfield street.

GERMANTOWN, PA.—Walter R. Cliffe will decorate the Academy of Music, Phila., for the national convention of the Epworth League, to be held May 23 to 26. He also has the order for the table work for the receptions to be held two evenings, which will be quite elaborate. This is the first time a Germantown florist has been favored with this work.

JACKSONVILLE, FLA.—At the meeting of the Florida State Horticultural Society the opinion was general that in spite of the hard freeze not an orange tree in the state had been killed, and that even when the stock was seriously injured the tree would sprout from the roots. Many of the groves are reported in good condition, much better than was expected.

Make No Mistake! Get the Very Best CHRYSANTHEMUMS

for next Fall's shows, and for cut flowers, pot plants, etc. Here is a partial list. They are in prime condition for shipping.

Lady Playfair.....	\$10.00 per 100	Major Bonaffon.....	\$ 6.00 per 100
Mrs. Cringe Lippincott.....	6.00 "	Mrs. Jerome Jones.....	5.00 "
Engene Dalledouze.....	5.00 "	The Queen.....	5.00 "
Mlle. Therese Rey.....	5.00 "	Marle Louise.....	5.00 "
Inter Ocean.....	5.00 "	Marlon Henderson.....	5.00 "
H. L. Sunderbruch.....	5.00 "	Laredo.....	5.00 "
Maud Dean.....	4.00 "	M. B. Spaulding.....	4.00 "
Geo. W. Childs.....	4.00 "	Mutual Friend.....	4.00 "
Mrs. J. Geo. His.....	4.00 "	Mrs. E. G. Hill.....	4.00 "
Illuminator.....	4.00 "	Niveus.....	3.00 "
Eda Prasa.....	3.00 "	Tuxedo.....	3.00 "
Summit.....	3.00 "	Ada H. Leroy.....	3.00 "
Ruth (Margaret Graham).....	3.00 "	Harry Balsey.....	3.00 "
Jos. H. White.....	3.00 "	Col. W. B. Smith.....	3.00 "
Miss Sue T. Price.....	3.00 "	Wm. H. Lincoln.....	3.00 "
Malmson.....	3.00 "	Mrs. E. G. Whildin.....	3.00 "
E. G. Hill.....	3.00 "	Ermenlid.....	3.00 "
J. H. Taylor.....	3.00 "	Ivory.....	3.00 "
Mrs. Geo. Bullock, or Domination.....	3.00 "		

Strong, well-rooted sturdy stuff in thumb pots. N. B.—II selection is left to us, 20 per cent. off above prices. Special quotations for large quantities. Send for our list of the cream of the novelties.

MONEY ORDER OFFICE, STATION "H," Philadelphia.

EDWIN LONSDALE, Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

FOR SALE.

Our Entire Stock of

PALMS, FERNS and DECORATIVE PLANTS.

Six 150 foot houses of the finest decorative stuff in Western Pennsylvania at your own price. It will pay to come and see it if you want good stuff cheap.

MUST be sold before June 15th.

JOHN R. & A. MURDOCH,

508 Smithfield Street, PITTSBURG, PA.

CHRYSANTHEMUMS

Standard Commercial Varieties.

CHEAP.

HUNTSMAN & CO.,

247 Race Street, CINCINNATI, O. WRITE FOR LIST.

PLEASE MENTION THE AMERICAN FLORIST EVERY TIME YOU WRITE AN ADVERTISER.

DO NOT DELAY until it is TOO LATE and have to regret that you did not order from us in time ORCHIDS at the great reduction sale at 50 cents each. They will grow rapidly in value, and produce flowers often worth more than the cost of the plant.

PITCHER & MANDA, Inc., SHORT HILLS, N. J.

Chrysanthemums AND Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

\$. \$. \$. FOR DOLLARS.

MME. F. BERGMAN is the best early white to date. Price from 2 1/2-inch pots, \$4.00 per 100. YELLOW QUEEN, best early yellow, 2 1/2-inch pots, \$1.00 per 100. Fifty other good market sorts from 2 1/2-inch pots, \$3.00 per 100. Special price on large quantities. SMILAX, from 2 1/2-inch pots, strong, \$2.50 per 100; \$29.00 per 1000. Send for Catalogue. ADDRESS J. G. BURROW, Fishkill, N. Y.

NEW CHRYSANTHEMUMS.

Fewkes, Challenge, Dalledouze, Inter Ocean, Mrs. His, Mrs. Hill, Mrs. Lippincott, Deun, Mutual Friend, Bonaffon, Yellow Queen, Davils, Pitcher & Manda Gray, Beau Ideal, Bramhall, and others. Sold in sets of 12 plants each under the head of "Specialties" and "Novelties." Older varieties "Selects of 1883," 16 plants, and the "Old Guard Set" of prize winners, 18 plants each. Price, \$1.00 for each set plants by mail, postage paid by me. Send for catalogue.

MEREDITH B. LITTLE, GLENS FALLS, N. Y.

Carnation Plants.

IT IS GETTING LATE,

and why buy rooted cuttings when you can get strong plants from soil. They will all grow, and make better and stronger stock.

We can give you the much sought for WM. SCOTT, free, clear pink, for \$3.00 per 100; DAY-BREAK, TIDAL WAVE, SILVER SPRAY, LIZZIE MCGOWAN, PORTIA, etc., at \$3 per 100; GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100.

Discount of 10 per cent on orders for 500 or more of a kind. All orders must be accompanied by cash.

We can furnish the following new varieties of '95, mostly transplanted: Per 100 Per 1000
KOHINOOR, new white, large, free . . \$12.00 \$100.00
ROSE QUEEN, new, fine pink variety 12.00 100.00
CORSAIR, the scarlet McGowan . . . 10.00 75.00
ALASKA, large, white, free, new . . . 10.00 75.00
LIZZIE GILBERT, brilliant scarlet. . . 10.00 75.00
STORM KING, large, pure white . . . 10.00 75.00
METEOR, large, bright crimson . . . 10.00 75.00
BRIDESMAID, clear rich pink 10.00 75.00

GEO. HANCOCK & SON,
Grand Haven, Mich.

VERBENAS

In bud and bloom. per 100 per 1000
MAMMOTH bushy plants. . . . \$3.10 \$25.00
GENERAL COLLECTION bushy plants. . 2.50 22.00

ROSES.

AMERICAN BEAUTY, fine, clean, healthy stock, 2 1/2 inch. . . . \$8.00 \$75.00
3-inch. . . . 10.00 95.00
HYBRID PERPETUAL, fine young fall propagated, 2 1/2 inch 5 00 45.00
Strong 5 and 6-inch in bud and bloom. . 25.00

CHRYSANTHEMUMS.

Fifty fine varieties. . . . \$4.00 to \$6.00 per 100

MISCELLANEOUS BEDDING PLANTS.

Per 100
ANTHEMIS from 2 1/2-inch pots \$ 4.00
3-inch 6.00
ALTERNANTHERA 3.00
AGERATUM Blue and White 3.00
COLEUS from 1/2 inch pots. . . . \$25 per 1000
3-inch " strong and bushy. . . . 5.00
DRACENA INDIVISA, strong, large plants . . 40.00
TERMINALIS, nicely colored, 5 in. . . . \$4 per dozen
FUCHSIAS, 3 1/2-inch pot, splendid variety. . . 8 00
GERANIUMS double and single, 3 1/2 inch pots. . 8.00
" " " " 2 1/2 inch " " " 4 00
HELIOTROPE, 2 1/2 and 3-inch pots. . . . \$3 and 5 00
SALVIA SPLENDENS, 2 1/2 and 3-in. pots. . \$3 and 5.00
CARNATIONS, 3 1/2-in. pots, summer blooming. . 15.00
CANNAS, Mme. Crozy, Creole and 6 other varieties, strong dry roots. . . . 4.00
P. NDANUS UTILIS, 5 and 6-in. pots, \$5 & \$8 per doz.

WOOD BROTHERS,
Fishkill, N. Y.

PANSIES.

THE FINEST STRAIN, ALL IN BLOOM.

Cold frame plants; will sell now to close out at \$1.50 per 100; \$12.00 per 1000. Stock is extra fine, all colors mixed.

E. B. JENNINGS,

Wholesale Pansy Grower,
Cash with order. Lock Box 254, SOUTHPORT, CONN.

25,000 Coleus.

Golden Queen and Red Verschaffeltii.

Also 25 leading varieties; all bright colors; fine plants, 2 1/4-inch pots, \$2.00 per 100; \$18.00 per 1000. Cash with order.

C. F. FAIRFIELD, FLORIST,
SPRINGFIELD, MASS.

W. A. MANDA,

MERCHANT, GROWER, IMPORTER & EXPORTER OF

FLORISTS'

Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

VIOLETS.

ROOTED RUNNERS.

Marie Louise.

Warranted free and clear of disease, \$4.00 per 1000. Ready for Delivery April 1st.

HENRY HESS, Florist, Cockeysville, Balto. Co., Md.

SPECIAL OFFER TO CLOSE OUT SURPLUS.

CANNAS, nicely started, ready to plant.

3000 Alphonse Bouvier. . . . \$3.00 per 100

3000 Geof. St. Hilaire, bronze 3 00 per 100

CARNATIONS from soil, ready to plant out.

3000 Thos. Cartledge. . . . @ \$12 per 1000

1500 Stuart. . . . @ 20 per 1000

3000 Albertini. . . . @ 15 per 1000

Same varieties from sand, \$3.00 per 1000 less.

ABOVE PRICES ARE FOR CASH WITH ORDER; PLANTS TO BE DELIVERED F. O. B. CARS AT QUEENS. All other stock sold out.

THE COTTAGE GARDENS, QUEENS, N. Y.

30,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Extra fine plants, in bud and bloom, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1 per 100; \$8 per 1000
NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

CARNATIONS

SURPLUS STOCK.

Good strong plants from the soil, ready to set out in the open ground of the following varieties, at the same rate as rooted cuttings were sold.

Per 100 Per 1000
WM. SCOTT \$3.00 \$25.00
DIAZ ALBERTINI 3 00 25.00
UNCLE JOHN 5.00 40.00
THE STUART 5.00 40.00
GOLDFINCH 5.00 40.00
E. A. WOOD 5.00 40.00

And a limited number of the two new varieties, METEOR and BRIDESMAID.

FRED. DORNER & SON,

La Fayette, Ind.

CARNATIONS

McGOWAN IN QUANTITY.

A few thousand each of Keller and Stuart. Others all sold.

ALBERT M. HERR,

Lock Box 496, LANCASTER, PA.

CARNATIONS.

ROOTED CUTTINGS OF

KOHINOOR, PURPLE KING,

and many of the standard kinds.

Prices on application.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

NEW AND TESTED

CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD,

ELLIS, NORFOLK Co., MASS.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

CARNATIONS

Last Call.

CHESTER PRIDE, PORTIA, AURORA, LIZZIE MCGOWAN, PURITAN and TIDAL WAVE, \$1.25 per 100; \$10.00 per 1000.

WM. SCOTT, \$2.50 per 100. All other varieties sold out; also Lady Campbell Violet.

JOSEPH RENARD,

UNIONVILLE, Chester Co., PA.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

CARNATIONS

Healthy well rooted cuttings of

Per 100 Per 1000

Lizzie McGowan, Silver Spray, Puritan. . . \$1.50 \$10.00

Daybreak 2.00 15.00

Portia, American Flag 1.50 10.00

Tidal Wave and Orange Blossom. . . . 2.00 15 00

DOUBLE PETUNIAS—Finest white and fringed varieties, \$1.50 per 100.

CHRYSANTHEMUMS—Finest white, pink and yellow varieties, \$2.00 per 100.

COLEUS—Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.

Heliotrope, Ageratum and Cerman Ivy, \$1.00 per 100. Cash with order.

JAMES HORAN & SON,

BRIDGEPORT, CONN.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no Rust. Also rooted runners Lady Campbell Violets.

Send for Price List.

Wm. Swayne,

P. O. Box 236, KENNETT SQUARE, PA.

LIZZIE MCGOWAN,

\$1.50 per 100; \$12.50 per 1000.

WM. SCOTT,

\$3.00 per 100; \$25.00 per 1000.

Guaranteed stock, well-rooted, free from disease, strong and stocky. Most popular Carnations on the market.

ALEX. McBRIDE, Alplaus, N. Y.

\$3.50 Cash Collection

These plants are our own selection from our best stock and are all good varieties.

25 GERANIUMS, 2 and 3-inch. @ 3 \$.75

25 MUMS, assorted. . . . @ 4 1.00

25 COLEUS, assorted. . . . @ 3 .75

10 FERNS, assorted. . . . @ 5 .00

10 CROTONS (large) assorted. @ 15 1.50

95 plants. . . . \$4 00

Mention this paper and receive 2 English Ivy free with order. Williams & Sons Co., Batavia, Ill.

MARIE LOUISE VIOLETS ONLY,

Have never lost a plant by disease, and no disease in my houses

Clumps \$5.00 per hundred. Plants taken from clumps and shipped the same day, \$5 per 1000.

Cash must accompany the order.

JOSEPH MARKLE, Rhinebeck, N. Y.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

Toronto.

The continued cool weather appears to have had the effect of brightening up the cut flower trade, which had during the hot weather shown signs of giving out for the season. For the same reason there is a corresponding depression in the plant trade, though there are any amount exposed at the stores and the market for sale. It is satisfactory to learn that the crops in the fruit districts are not quite so badly damaged as was at first reported. Grapes will not be a total failure.

Owing to there having been five Tuesdays in April it is five weeks since the last meeting of the Gardeners' and Florists' Association; doubtless there will be all the more to talk about at the meeting this week; it is to be hoped that there will be no explosion after having been bottled up so long. It is rumored that a prominent grower at present located in a town not a thousand miles west of Toronto will move bag and baggage to a more convenient situation in a northern suburb and will put up quite an extensive plant. E.

Lenox, Mass.

The Lenox Horticultural Society held its second semi-annual supper on the evening of May 18. About fifty members and their friends sat down to the tables, among those present from a distance being W. A. Manda of South Orange, N. J., and W. R. Phillips and Mr. Dugan, representing the firm of Thos. W. Weathered's Sons of New York. President Finaghty presided and J. F. Huss officiated very acceptably as toast-master. E. J. Norman responded for the Founders of the Society; Martiu Finaghty for the Trade; A. H. Wingett and Geo. Thompson for the Private Places; A. P. Meredith for the Kindred Societies, and W. A. Manda for Horticulture. Interesting addresses were also made by Messrs. W. R. Phillips, J. W. Cooney, H. P. Lucas and others, and Messrs. Dugan, Price and Jack entertained the company with songs, recitations and dancing.

MRS. O'HILLIGAN.—"Oi phwant some roses." The Florist.—"Madam, I would recommend chrysanthemums to you; they're all the rage now." Mrs. O'H.—"Shure, sor, that's phwal Oi phwanted, but Oi couldn't say it."—*Truth.*

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150,000 of all the leading varieties.

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Strobilanthes Dyerianus. \$6.00 per 100.

STILL LOWER PRICES.

STROBILANTHES DYERIANUS. (1894).—The most beautifully colored foliage plant introduced for many years and sent out last season at \$2.00 per plant is now offered by us at \$6.00 per 100 or \$50.00 per 1000!! No other plant will do as well for bedding, etc.; nothing could be finer for table decoration, or as a window plant. The foliage is an iridescent metallic purple—shading to pink and green—is very persistent and stands rough usage. At our price, \$1.50 per dozen, a large profit should be made on them, as they readily sell at 50 cts. and \$1 00 each. A fine plant for Easter sales.

COLEUS MRS. SANDER. (1894).—Sent out last year at \$1.25 each, a big price for a Coleus, but it was well worth it, as no other Coleus can wink at it. It's worth that much to-day, but we've got too large a stock; it takes up room. \$5.00 per 100 will clear them out, however, and at \$1.00 per dozen they'll soon be "out of sight." Rooted Cuttings \$3.00 per 100, postpaid.

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Stock all clean, healthy and thrifty, the best I have ever offered; the set of 15 kinds for 60 cents, from 2½-in. pots and flats, \$2.50 per hundred, including the beautiful new white, White Plume, the magnificent new pink, Georgeanna, with the finest scarlets, purples, striped and intermediate shades. Double Pelantias (Dreer's), 2 in., \$2.50; 3 in., \$4; 4 in., \$7 per hundred. All healthy and in fine shape; full of cuttings. The beautiful Snow Crest Daisy, all in bud and blooming, 50 cents per dozen; \$3.50 per hundred. New double pink daisy, Lady Johnson (scarce), 5 for 50 cents. Variegated Vincas (Perrywinkle) from flats, \$2; 2½-in., \$3; 3 in., very fine, \$5 per hundred. Begonia Vernon, semperflorens, in three colors, the most satisfactory and profitable plants we ever handled, 2½ in., \$2.50; 3 in., \$3.50 per hundred. New yellow daisy, Anthemis Tinctoria (single), 2½ in., \$3 per hundred. Anthemis Coronaria (Golden Marguerite) the genuine dwarf large-flowered, double, from flats, \$2 50; 2½ in., \$3 50 per hundred. Nasturtiums, selected stock from cuttings, fine colors, \$2 50 per hundred. Heliotrope, finest mixed, including Welkin, the fine new white Jersey Queen, light purple Vert Valley, dark, 2½ in., \$3 per hundred. Gem feverfew, flats, \$2 per hundred. New dwarf scarlet sage, Clara Bedman, 2½ in., 60 cents per dozen. Coreopsis Lanceolata, strong roots, 60 cents per dozen. New hardy double white pink, Her Majesty, 2½ and 3 in., \$4 per hundred. Calendula P. of Orange, snowball, sweet Alyssum, tall, double and dwarf single, Mignonette, Torenia fourtier, Tradescantia parlor Ivy, Lobelia trailing and dwarf. All nice young plants from flats, mostly seedlings, \$2 per hundred. Eufalia, two kinds, 4 in. size, \$3; 6 in., \$5 per hundred dormant roots; Eufalia plant sticks, the neatest and cheapest for all small plants, 1 to 2 feet \$2 per thousand, sample 100 post free for 35 cents. Mad. Crozy cannas, dry roots, \$3 per hundred; selected Crozy seedlings, very fine, \$1 per hundred; selected dwarf French yellow bedding cannas, \$2 50 per hundred. Many of the foregoing plants can be furnished rooted at from 60 cents to \$1.50 per hundred. For other novelties and specialties see novelty list, free to all. Address cash with order please.

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" <i>arborescens</i> ..	0.75	6.00
" <i>canariensis</i> ..	0.60	5.00
" <i>tomentosa</i>	1.60	7.50
" <i>robusta</i>	1.00	7.50
" <i>elegans</i>	1.00	7.50
<i>Phoenix rupicola</i>	1.50	12.50

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Dracæna indivisa, 3½ inch pots, fine plants, \$5.00
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Marie Louise Violets, 2½ inch " 2.00
 " rooted runners, " " .50
Basket plants in variety, 2½-inch pots " 2.00
 " rooted cuttings " " .75
Rooted Cuttings, Alyssum, Alternanthera, Lobelia, etc., " " .50
\$2-Cash with order, No C. O. D. please.

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<i>Aurea nana</i>	\$2.50 per 100
<i>Paronychoides major</i> ,	2.50 " "
<i>Coleus Golden Bedder</i> , Verschaffellii, and other good varieties,	2.00 " "
Mixed	1.50 " "

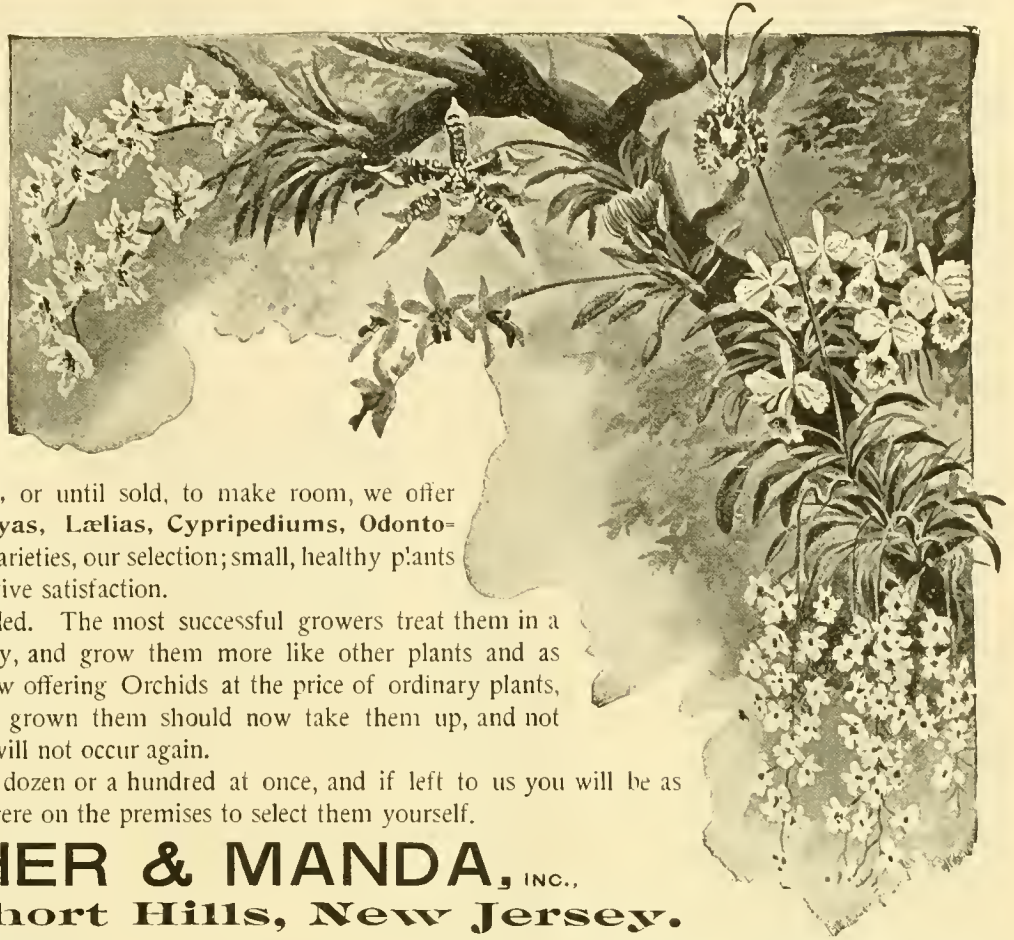
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5000 Ampelopsis, Japan Ivy, strong 1 year old pot grown	\$1.00 per 100, \$30.00 per 1000
5000 Geraniums, strong plants from 4-inch, in bloom, the best market sorts.	\$6.00 per 100
5000 Geraniums, 2½-inch	\$3.00 per 100
5000 Cannas, Mme. Crozy and others, strong 4-in.	\$4.00 per 100
5000 Alyssum Carpet of Snow, 2½-in.	\$3.00 per 100
5000 Coleus Verschaffeltii and Golden Bedder, 2½-inch	\$3.00 per 100; \$25.00 per 1000
Chrysanthemums, rooted cuttings, the leading cut flower varieties, \$1.00 per 100. Also the newer varieties of Chrysanthemums, from 2½-inch pots. Price on application.	

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Hellotrope, blue	\$1.25
Coleus, 20 kinds	1.25
Cuphea Llave	1.50
Begonia Vernon, seedlings in bloom	1.75
" rubra and metallica	2.75
" 10 kinds assorted	1.50
Fuchsias, 8 " " small plants	1.75
" " " " " "	1.00
Verbenas, 2 kinds, white and red	.75
Pansies, finest strains	.50
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COLEUS, fine varieties.	Per 100	\$.75
Rooted cuttings		2.00
2-inch pots		2.00
GERANIUMS, fine named varieties in 4, 3 and 2 inch pots.....@ \$8, \$5 and		2.50
CALIFORNIA DAISIES		6.00
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Hellotrope, Salvia, and other bedding plants.		

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We take back sent for none, and claim to be the leaders in the Coleus trade, and the originators of the Golden Queen Coleus, the only good all around yellow Coleus grown. Over a hundred thousand now ready.

Golden Queen and C. Verschaffeltii, rooted cuttings	\$.75	\$ 6.00
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Feverfew	1.00	9.00
Ageratum, blue and white	.75	
Hellotrope, 4 varieties	1.00	
Snow Flake Stock, 2½ in. pots, at	2.50	

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CELERY Plants, ready from now on.

PETER J. SHUUR, Kalamazoo, Mich.

Omaha, Neb.

The hail storm of May 6 was the worst ever experienced here. The track of the storm was about four miles wide, passing over the center of the city. The hail stones ranged from one to three inches in diameter and did a great deal of damage.

Among the florists the worst sufferer was E. C. Erfling, one of our oldest florists, who lost practically all his glass, about 7,000 feet, including a number of new houses recently put in first-class shape. Mr. and Mrs. Arnold had their 7,000 feet of glass also all broken. B. Hass lost all of his 6,000 feet. Peterson Bros. had about all their 8,000 feet destroyed. Ederer & Son lost about half of their glass. Donaghue and Hess & Swoboda suffered only slight damage. L. Henderson's place was the only one that entirely escaped.

The storm also did damage to the city greenhouses at Hanscom Park and to a number of private conservatories as well as many windows and skylights. The storm will not soon be forgotten here.

J. M. Jordan of St. Louis was in town last week.

Hess & Swoboda will build two fine new houses this summer. H.

Worcester, Mass.

Trade was rather brisk last week, owing to a number of large funerals, which came in quick succession, and the local supply of flowers was short in a few instances; the regular trade was fairly steady for this time of the year, and prices are satisfactory. Flowers will be very scarce for Memorial Day, as such outdoor stuff as syringa, valley, Narcissus poeti- eus, myosotis, deutzia and so forth that was not damaged by the late frosts is in full bloom now, and won't last till the 30th, and as the public wants a big show for their money on this day quantities of outdoor flowers are used; the supply of flowers available will probably not equal one-half the demand.

The department store is selling carnations for 10 cents per dozen, buying them of a vegetable grower.

Outside planting is progressing rapidly now; the ground is in splendid shape, and the weather cool and cloudy, ideal conditions that are not being overlooked.

Mr. Chas. Menck and Miss Margaret Braeme were united in marriage May 22. A. H. L.

FOSTITE, A PERFECT REMEDY or Mildew on Roses and Carnation Rust. Joosten's Magazine Bellows, the best out. Fostite, 25 lbs. \$2.00. Bellows, \$3.50. Cash with order. Sold by all dealers and by C. H. JOOSTEN, 36 Dey Street, New York.



DIANITE CHASES AWAY Mildew, Rust and similar fungoid growth. It is a finely powdered, non-poisonous, mineral substance. Rosegrowers use it. Apply with bellows on sunny mornings. Added to manure, improves and cleanses it. Original bags, about 112 lbs. sold for \$5 cash; 25 lbs \$1.50; 10 lbs. 75c. AUGUST RÖLKER & SONS, Seedsmen, New York, P. O. Station E.

TOBACCO DUST \$2.50 PER BARREL OF 195 POUNDS ON CARS OR BOAT NEW YORK. SAMPLES MAILED FREE. H.A. STOO THOFF. 331 MADISON AVE. N.Y.C.

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JUST ARRIVED, a fresh invoice of splendid CYCAS LEAVES. The largest and best stock we have ever received, and which we offer at same prices as quoted in our Catalogue.

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ORDER NOW.

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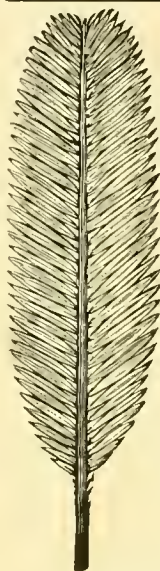
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OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

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Sorry we did not have them sooner. Yours truly, E. G. HILL & CO.

Price, \$1.00 each, prepaid. TRY IT, AND RETURN IT at once. If not satisfactory, and your money will be sent back.

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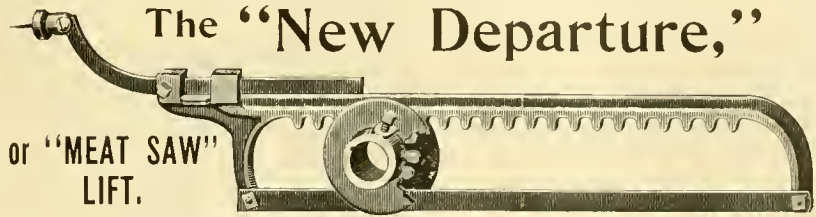


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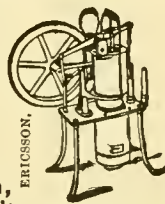
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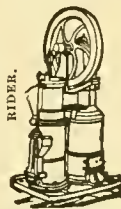
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The largest manufacturers of these goods in the world. We issue a large 40-page illustrated catalogue, which will be sent free on application.

Kills Mildew and Fungus Growth.

What does? GRAPE DUST.

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News Notes.

READING, PA.—James Cartwright has opened a new florist's establishment at 438 Penn street.

BURLINGTON, IA.—A tract of 20 acres has been secured by the city, which will be turned into a public park.

ROCHESTER, N. H.—Tuttle & Folsom have dissolved partnership. The business will be continued by Mr. Tuttle.

QUINCY, ILL.—The park committee has recommended that O. C. Simonds of Chicago be employed as landscape architect at a cost not exceeding \$600.

LEAVENWORTH, KANS.—A local nursery firm has the contract for supplying the trees for an apple orchard of 1,000 acres in Dakota. There will be 30,000 Ben Davis and 40,000 Gano planted.

BRIDGEPORT, CONN.—Mr. John Reck, the florist, announces bargain sales of plants every Saturday and Monday during May and June. He proposes to beat the department stores by adopting their own methods.

PATERSON, N. J.—The finance committee of the park commission has decided to ask for \$6,000 in anticipation of the annual appropriation to begin work immediately and to expend \$12,000 in permanent improvements.

HEALDSBURG, CAL.—A feature of the flower festival will be a hundred little girls who will head the procession and scatter flowers along the line of march. Following will come the queen of the carnival in a handsomely decorated carriage.

GERMANTOWN, PA.—At the last meeting of the Germantown Hort. Society it was reported that \$400 had already been subscribed toward the fund for the next chrysanthemum show and that several hundred dollars additional had been promised.

NEWPORT, R. I.—The Newport Horticultural Society has distributed to the public school children under 15 years of age about five hundred young chrysanthemum plants to be grown by them and shown at the fall exhibition in competition for prizes.

NEW BEDFORD, MASS.—The Gardeners' and Florists' Club held their second annual dinner at Old Fellows Hall on the evening of May 13. John P. Rooney, gardener for Frederick Grinnell, read an interesting essay upon the "Culture of Chrysanthemums."

PORTLAND, ME.—The park commissioners hope as soon as the lease is obtained from the Grank Trunk to build the parapet at Fort Allen Park. They will also terrace the slope at the Grove street entrance to the Oaks and take in the vacant lot at that point.

SYRACUSE, N. Y.—The Council committee on parks will make an effort to induce the finance committee to appropriate \$20,000 for parks this year. The park fund is limited by charter to \$20,000. The appropriation granted last year was \$15,000. The committeemen and Superintendent Bishop think they will be justified in demanding an increase of \$5,000 this year. The extra money the committee has planned to expend for a greenhouse, a barn and a residence for the superintendent. The estimated cost of the greenhouse is \$1,000.



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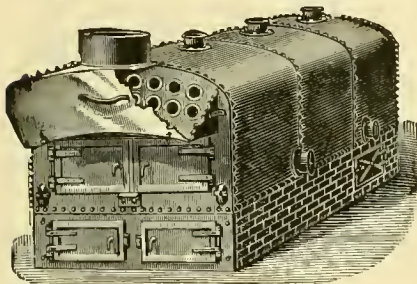
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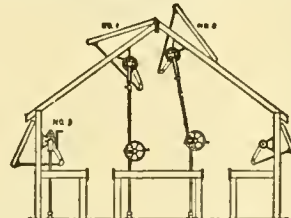
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LOGANSPOBT, IND.—Mrs. O. G. McCormick is about to enter business here as a retail florist.

CINCINNATI, O.—Charles Schweizer is going to build three commercial houses, each 16x80, corner of Carthage Pike and Forrest ave.

FAIRHOPE, O.—G. W. Brown has gone into business here as retail florist. He has built and stocked one house 18x45, which will be increased when occasion requires.

TIFFIN, O.—Lewis Ulrich will soon add five more new greenhouses, of which one will be 50x100, and the others 18x45, 18x17, 18x100, 20x100. The 50x100 house will be of the same style as that built by Mr. C. S. Swayne of Kennett Square, Pa., and recently illustrated in the FLORIST.

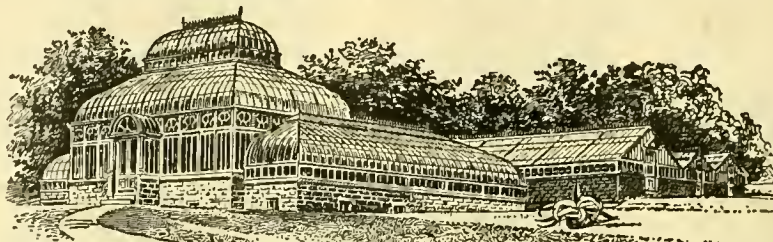
MARQUETTE, MICH.—The Marquette Floral Co. will this summer erect a carnation house 20x70, glazing with double thick glass, butted. Mr. York, the able manager, reports trade for roses here on the increase, also a slight demand for palms. The spring trade, though somewhat delayed by the recent severe frosts, promises well. The temperature during the recent cold snap fell 50 degrees in twenty-four hours.

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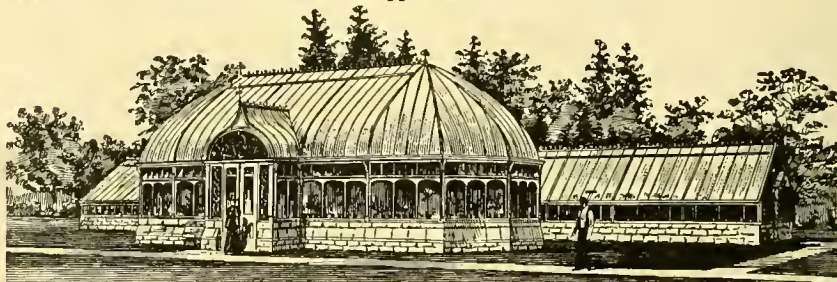
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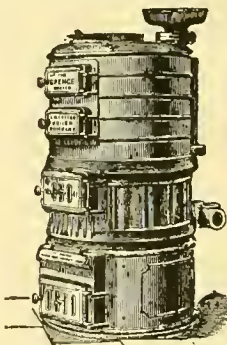
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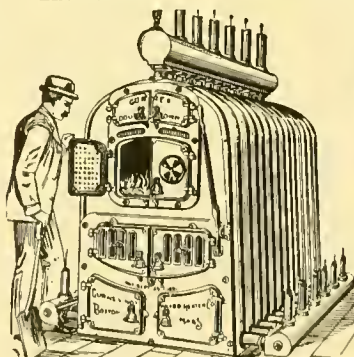


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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. H. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 20, 21, 22 and 23, 1895.

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Hints About Art in Gardening.

BY F. SCHUYLER MATHEWS.

PART I.

I think a good definition of Art is,—A thing of beauty which Nature suggests and gives man the brain to accomplish! This is a very simple way of putting it, but at the same time it must not be forgotten that the word "suggests" covers a great deal of ground; in short it is apparent, if the saying is true, that anything which is *not* suggested by Nature is *not* Art. What beauty man creates without the direct aid of Nature is a work of



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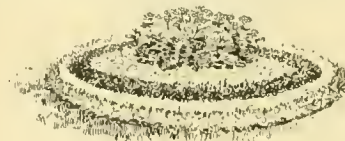
Art; so, in this respect a beautiful garden may be a work of Art, but a big chrysanthemum cannot be. You can create a garden, but not a chrysanthemum. Now, where does Art come into the garden? That is the question which I shall try very simply to answer; the gardener must be the artist, of course, but it is frequently the case that the florist as well as the gardener in some out of doors work is struggling after a realization of those things of beauty which Nature suggests, and he finds that the planting and digging of the garden is only the beginning of attempts in the direction of artistic effect.

There are little plots of ground before some of our city houses, and larger plots surrounding nearly all the suburban ones; there are many houses with extensive lawns in front; there are others with terraced or irregular grounds; and there are not a few, whose surroundings are so

wild and free from law and order that one is quite in a quandary about which way they should be treated; in all of these we aim for a final effect which will be beautiful; in each case the gardener has no simple task if he attempts to make "a place" artistic; there are so few methods in fashion nowadays regarding the arrangement of private grounds, that so far as appearance is concerned, a photograph of the Hon. Gardiner Eastman's place might easily be mistaken for that of Colonel West, who lives four hundred miles away in another state. This ought not to be; there is a lack of originality and independence among us Americans when it comes to art of a simple nature; we should cultivate the element of variety more.

I know the gardener will say as soon as I suggest the use of certain annuals and perennials of a transient nature "We must use plants which are adapted to secure permanent effects!" Very true, I must answer, but then you know perfectly well that you are limiting your art; and furthermore you may not know what an unnecessary restriction you are putting on your artistic opportunity! you cannot advance in your art without freedom and liberality; your customers may be contented with your conservative principles just now, but when the man turns up who puts picturesqueness and novelty in his work, they will flock under his banner as though he were a leader in a great reform, and you may, as the boys say, "get left!" The day of the pelargonium and coleus is on the wane, the dawn of a new day of sweet peas, hollyhocks, sunflowers, cannas, ricinus and petunias is already at hand.

Now, I wish to make clear a fact which is not recognized by many gardeners; it is this. The garden is much more a thing of the air than of the earth; it should be built on perpendicular lines as well as horizontal ones; the flower bed should be taken as a natural part of the earth within garden limits and not exalted to a position of eye-attracting importance. A colored pattern exactly laid out by the aid of centaurea, coleus, ageratum, and



THE WRONG WAY TO OBTAIN COLOR HARMONY. GERANIUM, COLEUS, CENTAUREA, ETC.

alyssum, descends to the level of a curiosity; there is no art in it because Nature never suggests anything of the kind; her color arrangements are absolutely free from geometrical principle; there are, in fact, so few conditions under which mathematical accuracy can be tolerated

ROCHESTER, N. Y.—Governor Morton has signed the bill allowing the common council to appropriate the sum of \$40,000 annually for the maintenance and improvement of the parks of the city, and also to care for the small parks and shade trees.

FOR SPACE at the S. A. F. trade exhibit at the next convention address Mr. Geo. Oesterle, 4200 Forbes street, Pittsburg, Pa., who is superintendent of the exhibition.

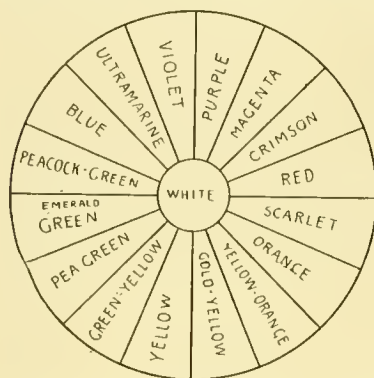
BALTIMORE.—Mr. Lemuel Feast, a former well known florist of West Baltimore, died May 24.

SANDUSKY, O.—R. Borchard, formerly with E. Hall & Son, of Clyde, O., intends to start in business here.

in the arrangement of flower colors, if we consider the matter from an artistic point of view, that it is scarcely worth while to mention them; perhaps the only excusable condition is that of architectural detail which extends from house to garden in the style of an Italian villa.

The successful harmony of certain flower colors which are vivid to the verge of actual crudity is pretty generally affected by *atmospheric freedom*. The same colors crowded together in a mathematical flower bed would fight like cats and dogs. Your tall plants which bear flowers of powerful color stand the best chance of harmonizing with the garden because they have plenty of atmosphere to float in. The tall mid-summer lilies, gladioli, hollyhocks, sunflowers, cannas, dahlias, Hyacinthus candicans, climbing roses, Nicotiana affinis, and climbing nasturtiums seldom if ever strike a discordant note with the rest of the colors in the garden; there is no need to ask why, because it is evident there is so much space and air about them that it would be difficult for one to select a point of view from which two conflicting colors would appear to be in close fighting company.

As regards the simple principle governing the harmony of colors, I can explain that best by the accompanying "wheel"



COLOR WHEEL

Opposite colors are harmonious. Three consecutive colors are harmonious. Colors at right angles are discordant.

which shows in *opposite* positions of the circle the colors which harmonize by contrast; those which harmonize by similarity lie *side by side* in threes—for safety, we will say not more than three. Thus blue and orange harmonize by contrast, and violet, purple and magenta by similarity. You will find also, that the colors which are discordant lie at right angles with each other, and also about 115° apart.

White is a color which harmonizes with everything; it will separate conflicting hues and connect tints which otherwise would lack a certain agreeable relationship. I am inclined to think that white pæonies, petunias, phloxes, poppies, geraniums, candytuft, stock, asters, and cosmos are the peacemakers of the garden; but better than by making one color fit another through peaceful influence we should learn the art of producing harmony by filling the garden with variety of form and character. For instance, double white ranunculus poppies, scarlet pæony-flowered poppies, dahlias white and pale yellow, new dark purple cockscomb, *Lilium rubrum* and *L. auratum*, *Coreopsis Drummondii*, sunflower (*argyrophyllus*), *Nasturtium Lobbianum*, gladioli, *Phlox Drummondii* alba and carnea, *Nicotiana affinis*, campanulas, larkspurs,

and asters—these are so completely contrastive in every possible way that the wonder is, why they are not used more by professional gardeners. The perennial phloxes are coming into fashion again; these are so varied in color that they offer great opportunities for certain quiet color harmonies; it is to be hoped that they will in some measure displace the dark coleus.

Those flowers which, according to the discords which the color wheel points out, are likely to create a disturbing influence in the garden if planted together, are deep red and magenta tulips (still worse, the orange and purple magenta ones), golden yellow marigolds and red geraniums, purple and violet delphiniums and orange calendulas, ultramarine-blue campanulas and scarlet nasturtiums, magenta and crimson petunias with anything whatsoever scarlet, orange, and golden yellow, forget-me-nots with heliotrope or anything of a magenta hue, and lantana with all phloxes except white ones.

It should be remembered that true green, which is not at all like any foliage green, is of an emerald hue and resembles the paint of that name; it is therefore out of our consideration so far as color harmony in the garden is concerned. It is also proper for me to say that powerful and vivid color, no matter if it is juxtaposed in accordance with the principle of the wheel, is apt to be aggressively in-harmonious; the method by which we may avoid such unpleasantly raw color effects I will explain later. With such plants and shrubs as deutzia, spiraea, pyrus and *Diervilla japonica*, ricinus, canna, dicentra, and andromeda we have little to fear in the way of discord; even the peony is so well guarded by its luxuriant dark foliage that it is seldom an undesirable neighbor for other than scarlet flowers. The great advantage in the garden of variety in form I will explain in another issue.



Carnation Notes.

Many stocks of carnations are ruined in the field at this time of the year by improper pinching back. I have lost many plants in the past by leaving this work to men who were not competent, and the lesson has been so expensive that in spite of the tact that I have been caused many a backache I have for the last few years made it a point to attend to the first pinching myself. It seems a very simple matter to go into a field with a pair of shears and clip off the tops, but to do the clipping properly requires patience and time. My present method is to wait until the young plant has started into good vigorous growth, and until the side shoots have started, then clip out the top without cutting any of the leaves which are to remain. A first-class pair of tailor's shears is the best tool for this purpose, for the sharp points go down between the leaves better than a knife, and then if the shears are quite long the bending of the back is not quite as great, hence a more comfortable feeling when the work is finished, and to a naturally tired man this is quite an item. Do not think that when you begin this work you must clip

every plant. It is better to go over the patch every day or two and treat each plant as it needs; keep the plants stocky by first pinching low, and allow at first only four side shoots to start; this is the only secret in securing stocky plants. Keep the cultivator, whether it be hoe, rake or horse cultivator, at work steadily at the present time and never allow the surface of the soil to become baked; this is one more of the secrets in successful carnation cultivation.

I find lots of little black fleas around now and they are playing havoc with outside foliage. To get rid of them use tobacco dust, which is a good fertilizer; apply this early in the morning after a heavy dew. If you do not have tobacco dust just get fine dust out of the road, or most any sort of dust will do; it serves as a pungent and chokes the little pests.

Many growers are now throwing out their old plants; they say the flowers don't bring anything during June, but I have found that for some years back they bring fair prices during July, and so I shall keep my stock in as fine a condition as possible until it is time to fill the houses again. To those who are throwing out plants I would advise a thorough house cleaning. Go back to the days of our forefathers, and find what they used when cleaning house (dwelling house). The walls were given a good thick coat of whitewash, and so do now with your benches; make the mixture good and strong, and do not be afraid of getting a little on the ground; soak the boards well in every corner. Your benches will last longer and your plants will certainly grow stronger. Some use crude petroleum; don't. I believe it is bad stuff for benches, air-slacked lime should be spread thickly under the benches and dusted in to every crevice in the sides of the house; bugs, snails and insects or worms of all sorts have a great dislike for lime.

A dealer in New York remarked to me last week that carnations are not keeping well now, I told him the plants required much water now, and as all florists were very busy with outside work at present the plants were often neglected. Well, he said, we could use more good flowers, but if the grower neglects watering he must expect to lose on the sale of his bloom. There are several ways for the grower to view this matter; I would advise a little more attention, hence a better sale of our stock, and if during the warm months we can furnish good keeping flowers it will make the public fonder of the carnation. You see roses will not keep long at this time of the year, and if the carnation through a little extra attention can be made to keep it will have a greater sale. CHARLES H. ALLEN.

European Carnation Rust in America.

A writer in the AMERICAN FLORIST for May 25 gives an account of the ravages of a carnation rust in southern France, referring to it under the name *Heterosporium echinulatum*, "as they call it there." One is left to infer that the French simply give another name to the rust that has recently been so troublesome in America. The fact is that the true carnation rust of our greenhouses was first discovered in central Europe, and is known to us primarily through the writings of German botanists. We know it by the name they gave it, *Uromyces caryophyllinus*.

The disease referred to in France was described by English botanists, and is known in American by the same name as in Europe, *Heterosporium echinulatum*. This latter is, however, not often recog-



ERICA BOTHWELLIANA

nized here, but was reported by Professor Atkinson in the AMERICAN FLORIST for February 23, 1893, where it is illustrated by several figures. It is altogether different from the usual carnation rust.

Cambridge, Mass. A. B. SEYMOUR.

Asparagus Decumbens.

This vine, although much older than either *A. plumosus* or *A. tenuissimus*, is an unknown plant to the majority of our florists, but in reality is a most useful addition to our greens for cutting up, as the branchlets are very freely produced, and if the long wavy sprays are set in a vase in combination with loose flowers of any description it will produce a lighter and more airy effect than either of the above mentioned varieties. The leaflets are longer, but not so closely set along the stem as in the others, but the stems are very slender, the weight of the tips bending the branchlets over in a very graceful arching manner, and the slightest current of air will keep the delicate sprays in constant motion. There is no thick woody or hard stem to them, and no hook thorns on old plants; every particle of a string can be used without any waste at all. Unlike all others it will make a thick undergrowth from the bottom up, and the base of the plant is never bare and devoid of foliage. The persistent lasting quality of all the asparagus is too well known, and

I only can say that this variety is not excelled by any other. Not being such a rampant, tall grower as either *A. plumosus* or *A. tenuissimus*, it may be grown in a lower house with less head room, but if planted out in a bed it requires to be planted even further apart than either of the others on account of its propensity to send up a multitude of useful sprays from the bottom. Strings, strictly speaking, are not produced, as it is not a climber proper, but will grow up to a height of 8 to 10 feet, perhaps more, under good treatment, and instead of using string for supports it is best to provide the plants with slender cane sticks or wire, the separate branches can easily be gotten apart when cutting, for they do not entwine or entangle into each other, even if very thickly grown together, but as the shoots elongate an occasional tying up will keep them in an upright position.

We have grown a few plants for some years, part of these in pots up to 10-inch, and pot culture seems to give just as good results as if planted out in bench or bed, only they require more attention in repotting, feeding and watering, for they are gross feeders and want plenty of nourishment. When plants are in 8 or 10-inch pots we do not usually repot after cutting down a crop, as we may do with smaller plants, but instead topdress heavily after the young growth has fairly

started again and attained a height of 8 or 10 inches. In well drained solid beds this species may remain undisturbed for many years, and give a good crop of green year after year, stirring up the soil occasionally and topdressing once or twice in a season is all we do to them. Our most fastidious customers always prefer this green to any other, but unfortunately our supply is but small, and when out we can not buy it anywhere. The plant produces seed but sparingly, and with us very few of the seeds sown have come up, although we have sowed every seed that ripened on our plants. Perhaps if we had left two or three strong plants alone and let them seed on the taller and more robust part of the plant the seeds would have more strength and vitality, but as it is, the stronger growth was hitherto invariably removed even before being really ripe and fully developed.

J. B. KELLER.

Rochester, N. Y.

Erica Bothwelliana.

In propagating ericas of the ventricose varieties we take the young growth about one inch in length, remove the lower leaves, and dibble the cuttings into a pot half filled with broken potsherds, over which a little sphagnum is placed for drainage, the pot being then filled with fine sharp sand. After a thorough watering the pots should then be placed in a close frame from which the cover can be easily removed to wipe off the damp from the glass, which, if allowed to remain would be fatal to the cuttings. A temperature of 60° is about right to root them in. When the cuttings are rooted, more air and light should be given. They then can be potted into small pots, using a compost of peat to which about one-third sharp sand has been added. Care must be taken that the plants are not allowed to become dry nor given too much water, neither should the young plants be allowed to become pot-bound. During summer they can be plunged out of doors in a shady place, or in a frame which is covered with slats, to break the force of the sun. During winter they can be kept in a temperature of from 40° to 45°, fire heat not being agreeable to them.

JAMES DEAN.

Herbaceous Plants Notes.

Thalictrum aquilegifolium is a desirable plant for the border, the feathery inflorescence of a delicate pale lavender color is very pleasing to the eye, and remaining in bloom from May to July. This plant is not often met with in desirable colors, usually dull purple prevailing, but in the above we have, in addition to the neat habit of the plant and the adiantum like foliage a beautiful color and freely produced flowers. It grows to a height of 1 to 2 feet and no collection should be without a few plants.

Saponaria ocymoides is now in full bloom, and I do not know anything in the line of a hardy trailer that covers the ground over so densely with green and is ornamented with pretty small flowers for such a length of time, lasting from May to September. It will do equally well on the rockery or the border, but should have the full benefit of the sun. The flowers are small bright pink, produced in short bundled panicles, closely covering the foliage, which is small and broadly lanceolate on trailing procumbent branches. Grows to a height of 6 to 8 inches.

Polemonium reptans is almost past now, but as it is one of our earlier border plants and very free flowering we should

not neglect it. The drooping flower heads are of a light blue, a shade lighter than in the taller *P. cœruleum*. Planting them in partial shade will extend the blooming time for 2 or even 3 weeks, so that we may enjoy it from April to the beginning of June. It rarely grows higher than 6 inches.

Lupinus polyphyllus in large clumps is a showy perennial and always admired; the flowers are produced on terminal erect racemes or spikes, which bear a great number of dark blue pea-shaped flowers, well worth a place in the border. Growing, when old and well established to a height of about 4 feet, it should be planted toward the back of the bed. *L. p. albus* is a pure white variety of it, and desirable in every respect. They bloom in spring and autumn.

Æthionema grandiflorum is a comparatively new plant of dwarf and a somewhat shrubby habit, forming a very compact neat little evergreen bush. Of all the *æthionemas* this is undoubtedly the best one, and is certain to become a general favorite when better known. The plants begin to bloom in May and will continue in flower all summer. The color is a warm shade of rose, and the racemes are crowded with flowers. It is extremely floriferous, and should be planted in an open situation, where it can enjoy the full benefit of the sun; it is also a good thing for the rockery or for a dry border. The leaves are broadly linear, an inch long, somewhat glaucous in color, and remain on in winter. Height about 1 foot and extremely hardy.

Lotus corniculatus, the birdsfoot trefoil, a very dwarf procumbent plant suitable for edging and for planting in crevices of the rockery, where it will creep and spread close over the stones, is beginning to seed up its long peduncles of bright yellow flowers, 5 to 10 on each peduncle; when tading the pea-shaped flowers will assume an orange color, and the effect of having varied colored blooms on the same plant is striking. The leaflets are small and of a bluish green. This is a very handsome dwarf perennial, blooming in summer and autumn.

Dictamnus fraxinella is now coming out with its long many-flowered terminal racemes, which will continue to bloom for six weeks, and are very useful as cut flowers, lasting well after being cut. The whole bush, stem and leaves emits a pleasing lemon odor, and has bold glossy pinnate foliage with 5 or 6 pairs of leaflets, hard and leathery in texture. An old favorite, flowers are either rosy or white according to variety. Both flowers and plant are bold and showy, and should be planted in a rather dry and sunny place, height 12 to 18 inches.

Viola cornuta is a little gem from now on until fall, both the white and the pale blue variety. The shape of the flowers is something between a violet and a pansy, considerably larger than the first and smaller than the last named; the foliage resembles the latter but is not so coarse. Unlike the pansies this plant will stand well in the midsummer sun, but in such an exposed position should have plenty of moisture applied to the roots. They need not be replanted every year, and will do 3 or 4 years without disturbing or dividing. It is very strange that these plants are not used more in this country for bedding out, in Europe they are used very extensively and with the best results. It is certain that many plants, which will give satisfaction bedded out in the mild and moist atmosphere of Europe, are of no use to our drying and hot surroundings, but this *viola* is an exception, and has

been tried for years. However in the very hottest weather they are benefited by being protected from the scorching sun at midday, and if such a place can be found on the east side of a building or hedge, the flowers will be of larger size and more perfect.

J. B. KELLER.
Rochester, N. Y.

OBITUARY.

GUS. MESSEBERG.

Once again the Flatbush florists have been called upon to pay their last tribute to the memories of a beloved brother and loyal friend. Gus. Messeberg was all that and more to those who were favored with his fellowship. As a plantsman he stood



THE LATE GUS MESSEBERG.

in the first rank, and a generous welcome always awaited any of the fraternity who crossed his threshold.

Mr. Messeberg came to this country from Magdeburg, Prussia, about forty-two years ago, already a trained plantsman, and after several years passed as a private gardener in Brooklyn went into business first on Myrtle avenue and afterwards at Flatbush, where he has been located some thirty years. The disease which caused his death has been of long duration and during the last months preceding his decease he has suffered intensely.

Mr. Messeberg, when gardener for Mr. Barnes, at Brooklyn, cultivated successfully the *Victoria regia* and is said to have been the first to bloom it in this country. The bronze and tricolor leaved geraniums owed much of their popularity at the time of their introduction to Mr. Messeberg's skillful culture. His age was 63 years, and he leaves a widow, one son and one daughter.

The funeral was attended by a very large number of the local craft and the floral designs were numerous and elaborate.

New York.

A large quantity of stock is coming in, but the quality is to a large extent inferior. The general demand was very light for Decoration Day, but little increase over an ordinary day. No special run

on anything, and no advance in prices. Steamer trade is light compared with previous seasons.

One of the handsomest funeral designs sent out recently was a Rock of Ages made at Geo. M. Stump's Fifth avenue store. The cross, which was nearly eight feet high, was composed of lily of the valley, white sweet peas and Bride roses, the base heavily fringed with maidenhair fern. Across the arm was thrown a heavy garland of *Cattleya Mossiæ* sprayed with Farleyense. This garland was fastened three-quarters of the length down on the cross, and long loops left hanging, which were caught up with broad mauve ribbon, and a narrower ribbon of same color looped in through the orchids. The design was the work of Mr. Owen McDonald, one of Mr. Stump's artists.

Another notable piece of work from this establishment was a table decoration at the Metropolitan Club. The table, which was forty-four feet long and fifteen feet wide, was arranged as a miniature reproduction of Central Park. Geraniums, lilacs and roses represented the trees, and among them wound gravel paths and roads; ravines, hillocks, rocks and lawns were represented in green and dotted with the regulation signs "keep off the grass," "to the menagerie, etc.," while a further appearance of life was added by little park policemen, carriages and horses, nursemaids and baby carriages, and tiny electric lights on miniature posts. Mr. Wm. Lee was the artist on this occasion.

Dan Creedon, who has been foreman for Alex Burns at his Woodside greenhouses, has bought a tract of land from Mr. Burns, and will erect thereon 300 to 400 running feet of greenhouses, and go into business.

Boston.

The superfluous stock of roses and carnations which so badly demoralized the market early in the month is no longer in evidence. Receipts and demand have been fairly well balanced, and stock of good quality has brought reasonable figures. The Memorial Day rush is now on, and prices for the moment are inflated as usual, but the supply of outdoor bloom is up to the average, and that is the main requirement for Memorial Day. There is quite a stock of *Harrisii* lilies and hydrangeas available, which work admirably. Outdoor lily of the valley will barely hold out, and lilacs are past their best.

At the weekly exhibition in Horticultural Hall on May 25 a new seedling canna named Florence E. Barker was shown for the first time by Thos. H. Westwood, and was awarded a first-class certificate of merit by the Mass. Horticultural Society. So far as can be judged by one pot grown plant, this canna is decidedly the best self yellow yet raised. The petals are broad and of great substance, color pure deep yellow with no perceptible trace of red marking. James Comley made his customary attractive display of showy bloom, and from John L. Gardner came an attractive group of *Cattleya Mossiæ* and *Lælia purpurata*, also cut blooms of *pæonies* and irises. E. Sheppard's *pelargoniums* were very fine. An extensive array of wild flowers, all named, was shown by several enthusiastic collectors.

A small delegation of the craft made a visit to the Arnold Arboretum to see the lilacs in bloom on invitation of Jackson Dawson. The display is a treat worth going a long distance to see. There are no less than one hundred and fifty species and garden varieties, single and double flowered, and under the magic influence of



BASKET OF ROSES AND CARNATIONS.

Mr. Dawson's entertaining discourse note books were soon in hand and every member of the party taking notes of the varieties most admired, and it is safe to say that on every list might be found Mme. Jules Finger, Pres. Massart, Mons. Alphonse Lavellee, Virginité, Ludwig Spæth, Tour d'Auvergne, Amethyst, Ranuncule, Rubra Trianoniana, Furst Lichtenstein, Marie Legraye and Emilie Liebig. The honeysuckles were found to be only second in interest and beauty to the lilacs. Mr. Dawson called attention to some thousands of young azaleas of the indica race raised from seed collected by Prof. Sargent in Japan, which had come through the winter in good condition without protection, while many of the reputed hardy rhododendrons in their neighborhood were badly injured. Although not regarded as proof conclusive, this circumstance gives good grounds for the hope that a type of hardy Azalea indica has at last been secured. Among other interesting things noted were some new maples from Japan which are being tested as to their hardiness. The late frosts have done considerable injury to magnolias and other susceptible shrubs in exposed places. A visit was also made to the conservatory of Prof. C. S. Sargent at Brookline, where one of the finest displays imaginable of Indian azaleas was inspected, and unstinted praise was given the grower, Mr. Chas. Sander, who had shown so much skill in training and taste in arranging this splendid collection.

The annual rhododendron show of the Mass. Horticultural Society will be held on Thursday and Friday, June 6 and 7, opening at noon on Thursday.

Mr. Wm. Dawkins, for twenty-one years foreman at the Arnold Arboretum under Mr. Dawson, has resigned his position, and will sail for England on June 20.

Basket of Roses and Carnations.

The accompanying engraving is from a photograph of an arrangement by Mr. Chas. J. Thiess, with the Park Floral Co., Denver, Col.

The flowers used were American Beauty and Perle roses and McGowan carnations, with ribbon to match the Beauties.

Chicago.

The firm of E. Wienhoeber & Co., consisting of E. Wienhoeber and E. Buettner, has been dissolved, to take effect June 1. Mr. Wienhoeber takes the Elm street place and Mr. Buettner the Park Ridge establishment. The connection between the two places will be much the same as before but under separate ownership and each establishment will be conducted as a separate business. Mr. Wienhoeber has lately renewed his lease of the Elm street property, the new lease to run 20 years, and will soon rebuild the entire establishment.

Officers of the South Park Board have been appointed for the ensuing year as follows: President, Joseph Donners-

berger; auditor, William Best; treasurer, John R. Walsh; secretary, E. G. Shumway. The \$80,000 due from wrecking companies for the world's fair buildings has been received, and it will be expended in park and boulevard improvements.

The site of the Art Institute on the Lake Front has been very materially improved by a broad expanse of lawn in front and extending some distance on each side. This is the building in which the World's Fair chrysanthemum show was held.

At the annual meeting of the Lincoln Park Board Andrew Crawford was re-elected president. The other officers elected are: Vice-President, John S. Cooper; Auditor, Bernard F. Weber; Treasurer, Robert M. Orr; Secretary, George W. Weber.

Notice has been issued by Assignee J. A. Merrifield that by virtue of an order of the County Court sealed bids will be received up to June 28 for the property and effects of J. T. Anthony. The property consists of "greenhouses, situated at 3425 Prairie avenue, Chicago, Ill., and the entire floral and horticultural stock herein contained, all tools and implements used in the business; including horses, wagons, etc."

Decoration Day left little to be desired, as far as shipping trade was concerned; it was really very good. Monday, Tuesday and Wednesday there was such a shortage of stock that most of the commission men had to refuse orders, or could only partly fill them. The scarcity was most marked in white flowers, white carnations being short everywhere. This helped the sale of gardenias—in fact in many cases orders for white carnations had to be filled with gardenias. Select carnations went up to \$3, and could not be supplied in sufficiency even at that figure. Thursday, when too late, more came in, but few whites even then. It is complained that as usual many growers held their stock back, which, at such a time was suicidal, for it was all needed for the shipping demand, and naturally did not keep well. Nor could it be sold on Thursday; the wholesalers declared that day was like a Sunday, and Friday was equally dull. For the holiday, good roses went up to 6; Friday the best were down to 4; Beauties, Decoration Day price 25, day after 12 to 15. Pæonies were not plentiful for the holiday; the first whites in quantity to be listed, came in the beginning of the week, and a lot of old red sold well, but they are scarce, like all outside stuff. Good lilac came in from Racine, but all shrubs were scarce.

Though all dealers report a great increase in shipping trade, we cannot from this argue any increase in general trade. The brisk outside demand was due to the fact that all sorts of outdoor stuff, usually depended on by out of town florists, was cut down by the recent frosts. In the city trade seems to have been slow, though there may be an increase in the plant business. Stock was generally of good condition. Sweet peas went up to 75 cents and \$1, and are still in good sale. But Friday the quantity of stock greatly increased, and the demand dropped off, with a corresponding drop in prices. Warm weather, with hot drying winds, will soon affect both quality and demand.

Mr. W. N. Rudd is very much improved and on last Thursday was able to pay a brief visit to his office.

It is reported that Alderman Madden's plan for the improvement of the lake front park will be put into execution, and that work will begin next week. Eighty-five acres of lake bottom are to be filled in,

giving to the park a total of 120 acres. The filling will cost nothing, as the contractors working on the drainage channel will be only too glad to dump at the place indicated the soil they are excavating, and which they are now obliged to dump far out in the lake. The Illinois Central tracks will be sunk 6 feet and will be crossed by bridges.

Philadelphia.

The bedding plant men have had a busy time of it the past week, although even at this date (29th) it is hardly considered safe to set out coleus, crotons and other tender plants. Messrs. Alburger and John Westcott & Bro., opposite South Laurel Hill Cemetery, have been very busy. Everybody expects their lots to be fixed up by Decoration Day, vases and hanging baskets placed weather or no weather. The recent cold spell kept this work back considerably, but a little hustling got everything through on time and the houses now present a forlorn appearance that is quite satisfactory.

The wire hanging basket seems to be a fixture in Phila. cemeteries, it has usually been suspended from a large iron hook. These rather unsightly supports have given way to a neat iron stand, into the top of which the basket is set. Mr. Westcott has invented a cheap form of this stand made as follows: Into a piece of $\frac{1}{2}$ to $\frac{3}{4}$ -inch gas pipe about 3 feet long an iron rod is placed about one foot longer than the pipe and large enough to fit snug. About an inch of the rod projects above the pipe and fitted across this at right angles are two pieces of iron $\frac{1}{8}$ -inch thick, $1\frac{1}{2}$ inches wide and about 18 inches long, the four ends of these are turned up to form the basket or holder. Exactly the same is attached to the lower end of the gas pipe and this with the iron rod, which is pointed and projects one foot below the bottom cross pieces, makes a very strong support, and when stuck into the ground is quite stationary. Mr. Westcott says they give great satisfaction, as after being galvanized they are as one piece and indestructible.

Decoration Day found all the boys busy; there was the usual amount of immortelle work for the Grand Army posts, the largest designs being placed in the store windows of the firms, giving them a day or two on exhibition. Some of them were really fine and reflect great credit on the designers. There was quite a demand for all kinds of flowers. Mr. Harris had a fine lot of red peonies, which went like hot cakes for \$1 per dozen. Charlie Meehan brought in wagon loads of snowball and other outside stock, crowding his nice new wagon as it had never been before. By the way, the hustler that can't sport at least one wagon won't be in it next fall. The route is lengthening each season, and the whole ground must be covered if one wants to sell out clean. This is the opinion of one who ought to know.

The quality of the roses offered has fallen considerably the past week; all the teas are more or less affected with mildew, and some, notably Brides and Mer-mets, show it very badly. Meteors and La France are now about the best and Kaiserin is beginning to be in demand. Good Beauties are scarce; the Belle stands the spring weather well and has a brighter and fresher appearance than the Beauty. The prices of roses are about the same as last week, although large lots are sold very low.

Carnations seem to sell fairly well at from 75 cents to 1.50. Sweet peas are

SOCIETY OF AMERICAN FLORISTS.

JOHN THORPE, *President*,
Queens, N. Y.

M. A. HUNT, *Treasurer*,
Wright's Grove, Chicago, Ill.

E. G. HILL, *Secretary*,
Richmond, Ind.

Dear _____

We beg to enclose you preliminary proceedings of our Society, feeling assured that the interest of the same will be encouraged by your countenance and assistance. A schedule with the objects of the Society tersely set forth is now in preparation. In the mean time we want you to interest yourself in the matter so far as to offer suggestions, canvass for members and agitate the matter among the trade in your immediate vicinity.

The Annual Fee is \$2.00, entitling members to all the privileges of the Society.

But at the meeting there was such an expression in favor of at once establishing a fund for the necessary incidental expenses attending a venture of such magnitude and importance, that every member present voluntarily handed over \$5.00 for such purpose, and if you are desirous of further helping the incidental fund, and will do so by remitting \$5.00 before the first of August we shall be pleased to insert your name in our prospectus which will appear on September 1st.

JOHN THORPE,
M. A. HUNT,
E. G. HILL.

All correspondence to be addressed to the Secretary, E. G. HILL, Richmond, Indiana.

Richmond, Ind., June 23, 1884.

also in demand, good stock readily bringing 50 cents per hundred. Cornflower is to be seen and sells for 1.50 per hundred.

The next meeting of the Florists' Club is to be held in Caledonian Hall, 13th and Spring Garden; this will suit all the Scotch members, and as they are hard to please anyhow all the other members will be on hand to join in their satisfaction and hear what Brother Westcott has to say about a profitable crop for summer. If there is any one thing more than another that most of the boys want to find out, it is how to make money in the summer time. K.

Early History of the S. A. F.

At the last convention of the Society of American Florists attention was called by Mr. Jordan to the lack of data regarding the preliminary work in organizing the society. We have undertaken to gather together the facts that they may be on record.

We find that the first steps taken were by Messrs. John Thorpe and E. G. Hill at the annual convention of the American

Association of Nurserymen, Florists and Seedsmen (now the American Association of Nurserymen), held in Cleveland, O., in June, 1883. They canvassed the matter quietly among the florists present, but the number was small and it was deemed unwise to push the project until the following year.

The next convention of the old association was held in Chicago in June, 1884, and the two gentlemen named went to that meeting for the purpose of making the initial move toward the formation of a separate organization to be composed entirely of florists and to devote its attention entirely to matters of interest to them. In the old society the nurserymen were in the majority and subjects of interest to the florists received but meagre time and attention. The matter was canvassed quietly for fear of opposition from some of the nurserymen, who had heard of the project and who feared that it would injure the old society.

At the close of one of the sessions word was quietly passed around for those interested to meet in one of the parlors of the Sherman House that evening. About



ICE BOX IN THE STORE OF MR. GEO. STUMPP, NEW YORK.

28 or 30 were present. We have been unable to secure a list of those present, but the number included Messrs. Thorpe and Hill and M. A. Hunt, J. M. Jordan, F. R. Pierson, J. D. Carmody, Robert George, Peter Henderson, W. G. Newitt, J. C. Vaughan.

Mr. Pierson suggested the name "Society of American Florists," which was adopted. Mr. Peter Henderson was first nominated for president, but declined to allow his name to be used, giving as the reason that he could not afford to have his name associated with an undertaking which he knew was bound to be a failure. He was willing, however, that his name be used as one of the promoters. John Thorpe was then elected president, E. G. Hill, secretary, and M. A. Hunt, treasurer, and an executive committee appointed to arrange for a regular convention at Cincinnati, in August, 1885. There was some little discussion of plans to provide insurance against loss by hail, and this was a strong plank in the platform of the young society.

A committee consisting of Messrs. Thorpe, Hill and Hunt was appointed to prepare an address to the florists of the country, inviting them to join the new society. We present herewith a photograph reproduction of this document. The annual fee was fixed at \$2.

Toronto.

Although the weather has been fine during this last week there has been a chill in the air, and the plant trade con-

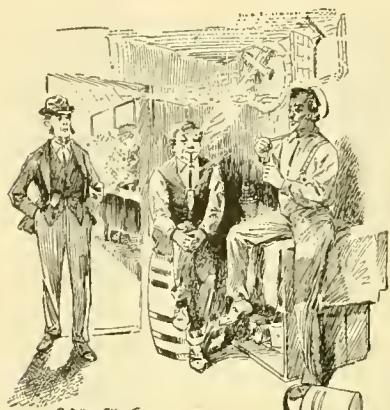
tinues rather dull and has not yet recovered from the check it received from the recent severe frosts. There was a big display at the market on Saturday, but the demand was not very brisk.

As Lady Aberdeen will be in town this week presiding over the Women's National Convention, and various receptions and other functions will take place, there will probably be a little boom in the cut flower trade; which it is needless to say will be very acceptable at this time. Roses are very plentiful and very good just now, the best selling retail at from \$1.50 to \$2 per dozen.

The Gardeners' and Florists' Association meeting on Tuesday last was especially well attended considering the time of year. Four new members were elected. It seems, however, that several of the members are bound to create strife if it is possible to do so, and the latter part of the meeting was anything but harmonious. I am not going to air the Association's dirty linen before the readers of the *FLORIST* by giving full details and names, but I think that when members come down to the meetings loaded up to the muzzle and brimming over with strife and contentiousness for the only purpose of firing it off and making a point against some imagined opponent it is time for someone to speak out. No one would object to friendly criticism on horticultural matters or on the working of the Association, but it is the continual bringing of little petty personal matters (which in themselves don't amount to a row of pins) into the broad arena of horticult-

ural discussion which tends to keep up the ill feeling that it was one of the very objects in forming the Association to allay. We are none of us angels, and all have our little peculiarities (to call them by a mild name), but it is the duty of every member, and more especially of the officers, to try and reconcile these peculiarities, so that harmonious action may be the result. Sometimes no doubt it may be hard for the minority to be obliged to give in, but until some better way of carrying on business has been found I am afraid the majority will have to rule. It is possible that I am wronging these contentious ones, and that they may have some new and improved methods for the advancement of horticulture and the running of gardeners' and florists' clubs, if so I am sure the columns of the horticultural press will be open to them for the explanation of such worthy objects. An essay entitled "How to produce harmony and united action by promoting strife" would be in order. But to speak seriously—to those who have the interests of the Association and the profession generally at heart this strife-making appears to be simply deplorable. Isn't it possible for our profession to live in peace and harmony together? or if there must be strife why can't it be over something worth striving about? viz.: methods of propagation or cultivation, methods of destroying harmful insects or fungi, and a thousand other such subjects, the discussion of which would be to the advantage of not only ourselves but to the community at large.

A. H. EWING.



IDYLS OF THE POTTING SHED

An Error in Calculation.

Our friend Jaggs has viewed the world from more potting sheds than any other man in the trade, and what he doesn't know about running a place isn't worth knowing. So he says. But sometimes he makes an error, and this was the case when he undertook to oppose the sovereign will of Mrs. Grafts.

Jaggs has a habit of turning up when a place is short-handed; he knows his business, and by the time he has worked for about two days the boss begins to congratulate himself on his good fortune in getting such a valuable man, and by the end of the week nothing is too good for him. Then Jaggs gets an advance on his salary, and disappears. When he turns up again, extremely the worse for wear, he magnanimously offers to work out another advance, for the purpose of getting out of town. He has a very insinuating tongue, has Jaggs, and as a usual thing he gets the advance without much trouble, and joyously sallies forth to try fresh fields and pastures new. There was one place where Jaggs worked faithfully all winter, and although there were occasions when he gave evidence of having indulged in refreshments that Miss Willard could not conscientiously indorse, still his general conduct was exemplary, and his employer could hardly believe the evidence of his own senses when he found that Jaggs had suddenly departed without saying goodbye, having previously collected several small accounts, and taken the collections along as souvenirs. He was still more surprised the following spring, when Jaggs placidly loomed up and asked for a job again. This was too much even for a long suffering florist, and the ex-employer made remarks. Jaggs listened calmly, and then remarked, confidentially, "Well, if you won't give me a job, d'ye think you'd have the cheek to lend me half a dollar?" He got it, and continued the line of march.

Jaggs was not altogether exemplary while he worked for Mr. Grafts; he had several relapses, but the place was short handed, and he staid there in spite of moral slips. Mrs. Grafts didn't like him, and didn't want him around the place, but she was a very meek little woman, and her animosity didn't worry Jaggs a bit. One day, however, Jaggs returned in a very shaky condition; in fact, though it was his day on at the fires he wouldn't go down into the stoke-hole, on account of the extraordinary collection of zoological curiosities and art posters he saw in the coal bin. He recovered a little, after Dutch Otto had obligingly held him under the hydrant for a while, and immediately

hunted up Mr. Grafts, with the view of negotiating a loan. Mr. Grafts was about to put his hand in his pocket, when little Mrs. Grafts appeared. She had a very set expression, which Mr. Grafts appeared to recognize, for when she remarked, in a voice that lowered the temperature of the rose house at least nine degrees, "Mr. Grafts, there's a man in the office who wants to pay a bill," he started off without a word. Then Mrs. Grafts began to tell Jaggs a few home truths. He said afterwards: "It wouldn't ha' been so bad if she'd give me a chance to get in a word edgeways, but blessed if she didn't go on, without no commers, and as for a full stop she never come near one; she keep right on, never raisin' her voice nor nothink, and lookin' at me like she think sow-bugs and cut worms was aristocrats compared with me. She was that exasperatin' I don't know what I might ha' said, but just as she seem gettin' near the end she sort o' beckoned to someone behind me, and there was a bloomin' bobby, the police sergeant from across the street just come in for his button hole bokay, and she say, very dignified, 'Sergeant, oblige me by telling this man, mildly, but firmly, to leave at once,' and the bobby, he say, 'Yes ma'am. Be out o' this, ye thafe o' the worruld, or the head o' yez will be bruk.' So I has to go, and I don't expect to stop at Grafts's joint next time I go west. It shows there aint no dependin' on women; the missis there looked as mild as skim milk, and was so small she had to stand on a sheet o' paper to look over sixpence, and yet she reg'larly run me off the bloomin' place. Not that I'd ha' staid there any longer, not for a million a minute and toasted angels three meals a day," and Jaggs buried his indignant countenance behind a large tin can, while he silently absorbed its contents.

The Judge Says.

The unauthorized act of an agent, when ratified by his principal, is as binding as though the act had been within the scope of the agent's authority, and the principal, by accepting the benefits of an unauthorized act of his agent, may thereby ratify the act; but in order for the act of the principal, in accepting the fruits of a transaction conducted by his agent, to work a ratification of the agent's act, the principal must have accepted the avails of the transaction with knowledge of all the material facts.

How highway changes cannot be legally made.—Changes in highways cannot be legally made, the supreme court of Idaho holds (Gross v. McNutt, 38 Pac. Rep. 935) by merely changing lines of fence, though the new road may be shorter and better than the one fenced up, and especially is this true when the public or proper authorities do not consent to such change.

Liability for putting dangerous animals in public thoroughfares.—A person has no right to put a dangerous animal in a place that he knows the public are in the habit of traveling, as in a lane used by people as a thoroughfare, and if he does it, the supreme court of New York holds (Mahoney v. Dwyer, 32 N. Y. S. 346) he will be liable for any personal injuries which it inflicts.

Right of landowner to keep off surface water.—The general rule is, says the appellate court of Indiana (Lake E. & W. R. Co. v. Hilfiker, 40 N. E. Rep. 80) that upon the boundaries of his own land, not interfering with any natural or long-acquiesced-in water course, the owner

may erect such barriers as he may deem necessary to keep off surface water.

Building and loan association contract unconscionable.—An agreement whereby the stock of a borrowing member of a building and loan association, pledged as collateral security for his loan, is to be forfeited upon default of interest, without allowing credit on account of payments previously made on such stock, the supreme court of Nebraska holds (Randall v. National B. L. & P. Union, 62 N. W. Rep. 252) is unconscionable, and will not be enforced by the courts of that state, although recognized as valid in the association's own state.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—As grower or assistant: 19 years' experience; practical general man. References. Address 56 Tyler St., Boston, Mass.

SITUATION WANTED—As grower and florist in commercial place; 10 years' experience; unmarried. Good references. Address FLORIST, 56 Tyler St., Boston, Mass.

SITUATION WANTED—As manager small place. Experienced in all branches of work; can bring 50 finest chrysanthemums. Address CAPABLE, care American Florist.

SITUATION WANTED—By practical grower, commercial or private; 10 years' experience; general propagator; not afraid of work. Good references. PRIVATE, care American Florist.

SITUATION WANTED—By florist in commercial place; thoroughly understands the growing of roses, carnations, violets, and all kinds of florists' stock. Address MACK, care American Florist.

SITUATION WANTED—As foreman by a first-class rose and cut flower grower; good propagator and general plantsman; best of references; good wages expected. METEOR, care American Florist.

SITUATION WANTED—By florist and salesman in retail store, well experienced in all branches of trade; a total abstainer, good character; first-class references. SALESMAN, care American Florist.

SITUATION WANTED—By a florist with 10 years' experience in growing plants and cut flowers; 26 years old. First-class references. Address FLORIST, care O. A. Jerks, 6 N. Washington St., Rochester, N. Y.

SITUATION WANTED—Six years in one commercial greenhouse, and 3 years as foreman over garden, lawn and greenhouse in large reform school. Wife and one child. Address H. E., care American Florist, Chicago.

SITUATION WANTED—By a young man of good business ability as manager of a commercial place. Thoroughly competent in all branches. Can furnish the best of references from former employers. Address R. L. D., care American Florist.

WANTED—1,000 or 2,000 plants of Perle Roses 2 or 2½ inch, strong. R. R., care Am. Florist.

WANTED—A quick, reliable young man for the mail plant business in the west. R. R., care American Florist.

WANTED—Pteris tremula and Pteris argyrea 2 and 3-inch pot plants. Address N. A. & N. E. C. Louisville, Ky.

WANTED—A few hundred dormant roots of Canas Star of '91. Address WESTERN, care American Florist.

WANTED—A few dozen canna Queen Charlotte. Address, stating size and condition, with lowest price per 100. R. R., care American Florist.

WANTED TO RENT—A place of about 8,000 to 12,000 feet of glass in good order. Address all particulars to FLORIST, Norwich Postoffice, Conn.

WANTED—Reliable, sober, married man; must be first-class, and furnish good reference. Must understand rose, carnation and mums culture. JOS. R. GOLDMAN, Middletown, O.

FOR SALE—Good retail florist business; live city in northern New York State, at a bargain. Address M., care American Florist, Chicago.

FOR SALE—A small greenhouse property. Chance for a florist with a small capital to get into business. Address D., care American Florist.

FOR SALE—Second-hand florist's refrigerator, used one year, in perfect condition at reasonable rate. Address J. J. McMannon, Lowell, Mass.

FOR SALE—One Allerton welded large blue boiler, One 16-section Golds boiler. One water back. Can be seen in running order. LEWIS TURNER, Kenosha, Wis.

FOR SALE—300 feet Hitchings heavy 4-inch water pipe, with lot of valves, fittings, expansion tank, etc. Also one each Hitchings 16 and 17 boilers. THE FLORAL EXCHANGE, 614 Chestnut St., Phila.

FOR SALE—Paying nursery, 40 acres, long, cheap lease; can sublet same for big figure; 25,000 assorted trees, place for beea, hotbeds, florists; joins city park, center city; sell ¼ value; owner seeks healthy, lower altitude. Address
E. W. SEDDEN, Denver, Colo.

FOR SALE—Our entire stock of Palms, Ferns and Decorative Plants; six 150-foot houses of the finest decorative stuff in Western Pennsylvania at your own price; it will pay to come and see it if you want good stuff cheap; must be sold before June 15th.
JOHN R. & A. McTIGUE,
508 Southfield St., Pittsburg, Pa.

FOR SALE CHEAP—Any below items separately or together: Two Hitchings hot water boilers, size 16; 4-inch pipe, 1.700 feet; two greenhouses, total 42x30 feet. Also Hitchings ventilators for 3 houses, being a x lifting rings, etc.
GEORGE V. ADELMAN, Ashtabeg,
Franklin, Venango County, Penna.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. Within 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business wide and established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address
MARY A. MCCLINTOCK, Administratrix,
W. F. DARBY, her Att'y, Harrisburg, Pa.
Steelton Pa.

FOR SALE OR RENT.

My greenhouses on North Western Ave., Chicago; 15,000 or 30,000 square feet of glass. Plenty of stock. For particulars address
A. T. JACKSON, Station X, Chicago.

FOR SALE OR LEASE.
Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address
WM. SPRINCBORN, Dubuque, Ia.

FOR SALE.

The best paying greenhouse in the State of Washington; 5000 feet of glass steam heat; everything in good repair. Three street car lines pass the place. All cash trade. Reason for selling, other business. Address
SEATTLE FLORAL CO., Seattle, Wash.

FOR SALE OR LEASE.

Seven greenhouses heated by steam, new boiler, underneath and overhead pipe, houses located on the main street, street cars pass by the door from all parts of the city; will sell houses and give long lease on ground, or will sell both. Will sell stock. Reason for selling, other business. Anyone wanting to purchase a good paying business will find it to their interest to write
T. E. KEITH & Co.,
1700 Kansas Ave., Topeka, Kan.

Assignee's Sale.

By virtue of a DECRETAL ORDER, made and entered of record in the County Court of Cook County, for the sale of the property and effects of the estate of Joseph T. Anthony, an Insolvent—NOTICE is hereby given that sealed bids or proposals for the purchase of all and singular the goods, fixtures and assets of said estate (exclusive of moneys, credits and outstanding accounts) and which consists of Greenhouses, situated at No. 3425 Prairie Avenue, Chicago, Ill., and the entire Floral and Horticultural Stock therein contained, all tools and implements used in the business, including horses, wagons, etc., will be received by the undersigned at his office, No. 3425 Prairie Avenue or at the office of his attorney, George Sawin, Room 38, Howland Block, 131 Dearborn Street, Chicago, Ill.

An inventory of said property can be seen and full particulars given by calling upon either of the said persons.

Bids to be inclosed in sealed envelopes, addressed to either said Assignee or said Attorney and such envelopes plainly marked "Bids for Stock." Bids can be received as late as 4 o'clock p. m. June 28th, 1895, and will be opened by said County Court, Saturday, June 29th, at 10 o'clock a. m., should said Court be in session. If said Court is not in session at the above named hour, said bids will be opened at the first session thereafter at the same hour, at which time said bids will be acted upon by said Court.
Inspection of said stock is invited.

JOSEPH A. MERRIFIELD,

Assignee of Estate Insolvent of Joseph T. Anthony.

GEORGE SAWIN, Attorney,

Room 38, Howland Block, 131 Dearborn St.

TO EXCHANGE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order.

TO EXCHANGE—Pink and white hollyhocks for Mrs. Fisher carnation plants. Address
GEO. SOFSTER, Elgin, Ill.

DARLINGTON BROS., Morristown, Tenn.—OFFER in small lots, or assorted, 5-lb. Florence Vaughan Canna, Pelargonium "Favorite," 3-in., Double White Stocks, Basket Plants, "Favorite," etc. A local stock. Name your wants.

WANT—Rose Geraniums, Carnations, Ferns, new Roses, Swainsona, Water Lily.

When you write to any of the advertisers in this paper please say that you saw the advertisement in the American Florist.

PALMS, Etc.

In order to give the young stock better chance to fully develop, we offer the following **BARGAINS IN PLANTS**, which are for immediate Acceptance. Not less than 25 sold at 100 rate.

- LATANIA BORBONICA**, fine lot in 3-inch pots, for growing on, \$8.00 per 100.
- LATANIA BORBONICA**, very strong plants, 4-inch pots, \$20.00 per 100.
- ARECA LUTESCENS**, 2-inch pots, \$6.00 per 100; \$50.00 per 1000.
- ARECA LUTESCENS**, 3-inch pots, \$12.00 per 100.
- ARECA LUTESCENS**, 4-inch pots, 3 in a pot, \$40.00 per 100.
- ARECA LUTESCENS**, 5-inch pots, 4 in a pot, \$50.00 per 100.
- ARECA LUTESCENS**, very strong, \$75.00 per 100.
- ARECA LUTESCENS**, 6-inch pots, 4 in a pot, \$12.00 per dozen.
- KENTIA BELMOREANA**, nice healthy stock, 2-inch pots, \$12.00 per 100.
- KENTIA BELMOREANA**, nice healthy stock, 3-inch pots, \$20.00 and \$25.00 per 100.
- KENTIA BELMOREANA**, nice healthy stock, 5-inch pots, \$12.00 per dozen.
- KENTIA FORSTERIANA**, nice healthy stock, 3-inch pots, \$18.00 to \$20.00 per 100.
- KENTIA FORSTERIANA**, nice healthy stock, 4-inch pots, \$35.00 per 100.
- KENTIA FORSTERIANA**, nice healthy stock, 4-inch pots, ex. strong, \$50.00 per 100.
- KENTIA FORSTERIANA**, nice healthy stock, 5-inch pots, \$12.00 per dozen.
- PHOENIX DACTYLIFERA**, 4-inch pots, \$25.00 per 100.
- PHOENIX DACTYLIFERA**, 5-inch pots, \$5 50 per dozen.
- SMALL FERNS**, for florists' use, in variety, \$5.00 per 100; \$40.00 per 1000.

ORDER NOW, BEFORE STOCK IS EXHAUSTED.

PITCHER & MANDA, INC., Short Hills, N. J.

DREER'S OFFER OF One Hundred Thousand Dwarf French Cannas.

We are now sending out a very fine lot of Cannas in strong, well-established plants in 3-inch pots.

REMEMBER these are not freshly divided plants out of moss or soil, but well established in 3-inch pots and will make a display at once.

- | | | |
|--------------------------|-------------------------|------------------------|
| Alphonse Bouvier | Explorateur Crampel | Professeur Gerard |
| Madame Crozy | E. Chevreul | Princess Sussignan |
| Paul Marquant | Edward Michel | Paul Sigrist |
| Antoine Crozy | F. Neuvessel | Florette de Biorlet |
| Admiral Courbet | Francois Courbin | Perfection |
| Baron de Sandrana | Francois Malre | Progression |
| Baron de Renowardy | Geoffroy St. Hilaire | Kaiser Wilhelm |
| Camille Bernardin | Gustav Senneholz | Statuaire Fulconis |
| Comte Ganay | Ingenieur Alphan | Secretary Stewart |
| C. Reneau | Marquise Arthur L'Aigle | Sophie Buchner |
| Chas. Blype | Mr. Cleveland | Stadtgartner Senneholz |
| Count Horace de Choleaul | Maurice Mussy | Segnonaire |
| Cheopht Vlard | Nellie Bowden | Trocadero |
| Col. Dodda | Orange Perfection | Ventura |
| Deuil de St. Grevy | | |

Any of the above varieties, 75c. per dozen; \$5.00 per 100; \$45.00 per 1000. Well established plants from 3-inch pots. Queen Charlotte, 50c. each; \$5.00 per dozen.

For five dollars we will furnish one each of the above forty-four varieties including one Queen Charlotte, and one each of twenty-one other choice sorts not listed above, making 65 fine distinct sorts. This will make an interesting collection at an unprecedentedly low price.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

JOHN N. MAY,

WHOLESALE GROWER OF

Roses, Carnations, Chrysanthemums and Cannas.

All of which are now ready.

SUMMIT, NEW JERSEY.

Send for a Copy
OF OUR

TRADE DIRECTORY

AND REFERENCE BOOK.

PRICE \$2.00.

AMERICAN FLORIST CO.,

P. O. Drawer 164. CHICAGO, ILL.

A. B. C. CUT PRICES. Per 100

- Alternantheras, 8 best kinds, reduced, \$2 00
- Begonia—Marvelous, Leonore, Chateaurocher, 2 00
- 3-inch
- Begonias—Manicata aurea mac., 3-in., reduced from \$20 00 to 15 00
- Coleus, assortment from many best kinds, 2 00
- Fuchsias, 13 kinds, assorted, 24-inch \$2 00, 3-inch 3 00
- Geranium, Ivy, nice large plants, 3-in., \$3 00, 4-inch 4 00
- Mums, standard and new varieties, 3 00
- Vinca Elegans, 2 inch \$4 00, 4-inch 6 00

We shall send our usual high grade plants in above assortments at the reduced prices. Mention adv. and receive 2 English Ivy.

WILLIAMS & SONS CO., Batavia, Ill.

Labels, Plant Stakes, Moss, etc. Send for lists.

TOMATO Plants, "Livingston's Perfection," strong large transplanted plants at 40 cents per 100, and \$3.00 per 1000, f. o. b. here.

CELERY Plants, ready from now on.

PETER J. SHUUR, Kalamazoo, Mich.

Mention the American Florist when writing to advertisers on this page.

News Notes.

VICTORIA, MO.—F. L. Doubrava, formerly of Judsonia, Ark., has engaged in the nursery business here.

SAN FRANCISCO.—William F. Dreer and wife, who are making a two months' visit in Japan, are expected here June 1.

PEORIA, ILL.—The improvement of Glen Oak Park is being rapidly pushed forward by the authorities and with gratifying results.

BUZZARD'S BAY, MASS.—Joe Jefferson is having a lily pond 40 feet in diameter made in his lawn and will stock it with some 15 varieties.

PONTIAC, ILL.—W. J. Miller is preparing to build two more houses, to be devoted to carnations. The additions will be 18x37 and 14x60.

MADISON, WIS.—At the coming state fair \$60 in special prizes are offered in the horticultural department for first exhibits made by boys or girls.

KNOXVILLE, TENN.—An exhibition of strawberries was a feature of the recent farmers' convention in this city, and a very excellent display was made.

LAKE GENEVA, WIS.—The losses by the recent hailstorm were as follows: Hammersley 759 lights of glass, Geo. Trowbridge 156, Geo. Gill 140, Button Bros. 130. Some of the hail stones measured 6 inches in circumference.

AMESBURY, MASS.—J. Henry Hill, well known as a fruit and flower cultivator and a member of the State Board of Agriculture for six years, died on May 21.

OGDEN, UTAH.—The John Chipp's greenhouses have been transferred under a mortgage and the stock is being closed out at reduced rates. Mr. Chipp is said to have removed to Rock Springs, Wyo.

BATAVIA, ILL.—The Central railroad has decided to build greenhouses here from which plants will be furnished for decorating the grounds around the depots on the line of the road.

OMAHA, NEB.—The Park Board has elected officers for the ensuing year as follows: A. P. Tukey, Pres., Judge Lake, Vice-Pres.; F. B. Lowe, Sec'y.; W. R. Adams, superintendent. The superintendent's salary was fixed at \$150 a month.

JANESVILLE, WIS.—The Janesville Floral Co. succeed to the florist business of Walter Helms. The new firm is composed of George and Fred Rentschler, formerly of St. Louis. They are adding some new houses to the range of glass at 214 S. Main St. Mr. Helms will remain in the seed business.

CARTHAGE, MO.—L. E. Archias & Bro. have discontinued their branch at Fayetteville, Ark. concentrating all their business at this point. Mrs. E. R. Wheeler, Garrison avenue, has added a new steam heated greenhouse to her establishment. Crops here are in fine condition, though more rain is needed.

SAVANNAH, GA.—A car load of flowers and greenery was shipped from this city to Chicago May 23 to be used in that city on Decoration Day for the decoration of the monument to the Confederate dead. The car contained 24 palmetto trees, 100 young pine trees, 1000 laurel wreaths and a lot of moss and wild smilax. Later 1000 magnolia buds were sent by express.

8,000 TO 9,000 PER DAY IS WHAT WE SHIP OF
BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY.

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw the New Rose growing, "I am agreeably disappointed; I had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF.

\$35 per 100; \$250 per 1000.

SIEBRECHT & WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave.

NEW ROCHELLE, N. Y.

HEADQUARTERS FOR THE WONDERFUL NEW ROSE
CRIMSON RAMBLER.

The Largest and Finest Stock in America.

Fine plants from 3-inch pots, \$25.00 per 100; 2½-inch pots, \$15.00 per 100. Ready for immediate shipments.

ELLWANGER & BARRY,

Mt. Hope Nurseries, ROCHESTER, N. Y.

Mention American Florist.

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Plants, 2, 3, 4-inch pots.

ROSES

BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

40,000 AMERICAN BEAUTIES

All forcing stock that will stand the most critical inspection. TRY THEM. \$5.00 per 100; \$45.00 per 1000.

	Per 100	Per 1000
THE BRIDE.....	\$4.00	\$35.00
CHR. DE NOUE.....	4 00	35.00
METEOR, extra strong.....	3.50	30.00
MERMET.....	3.00	25.00
MME. COCHET.....	5.00	45.00

NOTICE.—All our forcing roses are strict January propagation, and made only of selected wood from our cut flower range.

Such stock we plant ourselves. Free sample on application.
VARIEGATED VINCA, 2 year old plants out of 4-inch pots, \$10 00 per 100.

J. B. HEISS,
116 South Main St., DAYTON, OHIO.
Mention American Florist.

GOOD CHEAP STOCK.

	Per 100
TEA ROSE BRIDESMAID, 2-inch, fine.....	\$ 3.00
TEA ROSES in 50 or more varieties, named.....	3.00
CHAPE MYRTLE, plnk, 12 inches high, bushy.....	6.00
ALTERNANTHERA, 4 sorts.....	2.00
RHYNCOSPELUM, 2½-inch, strong.....	5.00
TABERNAEMONTANA, 3-inch.....	8.00
MEYENIA RECTA, 4-inch.....	8.00
JASMINUM, Lueldum, Grandiflorum and Otho-nalls.....	4 10
OTAPITE ORANGE, all sizes, from \$4.00 to.....	20.00
PARFUGIUM GRANDE, 3-inch.....	6 00
ABUTILON SOUV. DE BONN.....	4.00
HARDY PINK HER MAJESTY and 6 other varieties.....	3.00

Above stock all in good condition. N. B.—Can use some good young 2-inch Perle Roses in exchange for any of above.

ADDRESS **COTTAGE ROSE GARDEN, COLUMBUS, OHIO.**

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ELLIOTT'S ASPARAGUS PLUMOSUS NANUS

The Finest Decorative Material Grown.

Graceful, Durable and Appropriate.

FOR JUNE WEDDINGS

Many thousands of yards will be used.

This stock is grown to perfection in extensive houses specially constructed for this purpose, and can be shipped long distances without injury.

Price per String, 8 to 10 feet long, 50 Cents.

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FROM THE
SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride,
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Please write, stating just what you want, and I will quote you a bargain.

Originator of the **FRANK L. MOORE,**
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BRIDESMAID. NEW JERSEY.
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FORCING ROSES

	Per 100
2000 AM. BEAUTY, from 3-inch pots	\$7.00
5000 AM. BEAUTY, from 2-inch pots	4.00
500 WHITE LA FRANCE, from 3-in. pots.	6.00
500 DUCHESS OF ALBANY, from 3 in. pots.	6.00
500 LA FRANCE, from 3-in. pots.	6.00
MERMETS, BRIDES, BRIDESMAIOS, 2-in. pots, 3.00	
NIPHETOS, GOLDEN GATE, ELIZA FUGIER	4.00

Above are in first-class condition, and have been grown with great care.

Address
NANZ & NEUNER,
LOUISVILLE, KY.

ROSES.

	Per 100	Per 1000
BRIDE, MERMET, GONTIER.	\$3.00	\$25.00
WHITE LA FRANCE, HERMOSA	3.00	27.50
HOSTE, SUNSET.	3.50	30.00
BRIDESMAID, MAMAN COCHET	4.00	35.00
MARIE LAMBERT.	3.00	27.50

Terms cash with order.

THE NATIONAL PLANT CO., Dayton, O.
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Herr's Pansies.

A Little Booklet (ready July 1st) tells you why they are the best investment you can make at \$5.00 per 1000.

BOOKLET CAN BE HAD FOR THE ASKING.

L. B. 496.

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3,000 Magna Charta

in 2½-inch pots.

The best plants you ever saw. Gild-edged.

PRICE FOR THE LOT, \$3.50 PER 100.
CASH.

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OF ALL KINDS.

CARNATION PEACHBLOW.

For reasonable price.

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ROSES.

A fine lot of PERLE ROSES, clear stock just fit to repot for growing on in 2½-inch pots, \$3.00 per 100.

Send in your orders quick, and cash with order. **JOHN WHITE, FLORIST,**
Waverly Place, **ELIZABETH, N. J.**

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

SEASONABLE STOCK.

IN FIRST-CLASS ORDER.

	Per 100
Acalypha Macafeeana, 2½-inch pots.	\$5.00
Ageratum, Cope's Pet, 2½-inch pots.	2.00
Alyssum, Tom Thumb, 2½-inch pots	2.50
Begonia Vernon, 2½ inch pots	3.50
Cannas, dry roots, French seedlings.	2.00
Coccoloba (Muehlenbeckia) Platycada, 2½-inch pots	3.00
Coleus, Golden Crown, Firebrand, Beckwith's Gem, Purple Prince—a sturdy variety, superior to Hero, 2½-inch pots.	2.00
Ariel, dwarf, a beautiful var., 2½-inch pots.	4.00
Cuphea platycentra, 2½-inch pots	2.50
Fuchsias, leading sorts, 2½-inch pots	4.00
Cazania splendens, 2½-inch pots.	5.00
Ceraniums, Gen. Grant, and other leading bedding sorts, 2½-inch pots.	4.00
Ivy, Sony, de Chas, Turner, P. Crozy, etc., mixed, 2½-inch pots	4.00
Cerman Ivy, 2½-inch pots	2.00
Hibiscus, mixed rubra, grandiflorus, etc., 4-inch pots	8.00
Heliotrope, 2½-inch pots.	3.00
Pilea Serpyfolia, 2½-inch pots.	2.50
Solanum Jasminioides, 2½-inch pots	10.00
Stevia serrata variegata, from flats, strong 2.00	
Swainsona galegifolia alba, very fine and strong, 2½-inch pots.	4.00
Manettia bicolor, 2½-inch pots.	5.00
Alternanthera, rooted cuttings. . . . .	.75
Coleus, rooted cuttings.75

N. B.—The above prices are f. o. b. nt Oyster Bay, without the pots.

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P. O. Box 34. Oyster Bay, Queens Co., N. Y.
Mention American Florist.

ALTERNANTHERAS AND COLEUS.

Aurea nana.	\$2.50 per 100
Paronychioides major.	2.50 "
Coleus Golden Bedder, Verschaffelt, and other good varieties.	2.00 "
Mixed.	1.50 "

Special prices given on large quantities of Alternantheras. **J. A. TRACHT & SON,** Cation, O.

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Juch, \$1.40; Column, \$14.00.
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No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE Minnesota Weather and Crop Review is the name of a new monthly published at Minneapolis.

THE Montana Fruit Grower is a new monthly publication issued at Missoula, Mont., with C. H. Edwards as manager and W. B. Harlan associate editor.

THE Montana State Horticultural Society has been incorporated with a capital stock of \$25,000. The society proposes to hold an annual fair at Stevensville.

BULLETIN 91 of the Cornell University Agricultural Experiment Station is devoted to recent chrysanthemums, with a descriptive list of varieties. It contains instructions on culture and treatment for diseases and insect enemies. The preparers of this monograph are Prof. L. H. Bailey and Mr. Michael Barker.

Mildew on Field Grown Roses.

All field grown roses here are badly affected with mildew and the buds are worthless. Have tried all the remedies I have heard of but haven't struck the right one yet. Will some brother florist please give me an effective one.

A. B. STRICKLAND.

Union Springs, Ala.

To Kill Cut Worms.

I frequently see appeals in FLORIST for a remedy for cut worms. I send you the following which has destroyed them by the million here this spring.

Paris green 3 pounds, sugar 3 pounds, bran 80 pounds, mix thoroughly and use dry, dust over the surface of the beds. Hope this will benefit some of the craft.

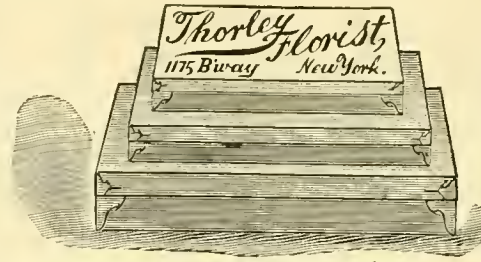
Richland, Cal. CHAS. H. CAMPBELL.

Patents Recently Granted.

Flower package, Hubert Bailey, Brewster, N. Y.; Transplanter, Frederick Richards, Freeport, N. Y.; Water sprinkler, James Rawle, Radnor, Pa.; Tree protector, Charles W. Anderson, Los Angeles, Cal.; Lawn mower sharpener, Patrick T. Hendrick, Arlington, Mass.; Automatic sprinkler, Phineas W. Swan, Winchester, Mass.; Combined garden hoe and rake, Clem Bailey, Kinston, N. C.; Combined fountain and sprinkler, Jason R. Cadwell, Chicago, Ill.; Fruit tree measurer, marker and register, James W. McNary and James W. Dear, Dayton, Ohio.

SAMUEL S. PENNOCK,
Wholesale FloristREAR OF 42 S. 16th STREET,
Philadelphia, Pa.

Mention American Florist.

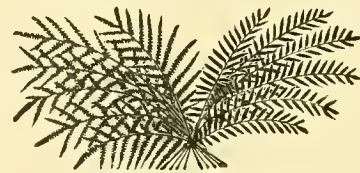


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We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

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315--325 Congress Ave., NEW HAVEN, CONN.

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BOUQUET GREEN,Laurel and Green Festooning, Wreaths, Etc.
SPHAGNUM MOSS IN ANY QUANTITY.**H. E. HARTFORD, 18 Chapman Place, BOSTON.****JULIUS LANG,**
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Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.**The Boston Flower Market**is prepared to purchase, on order, and
ship Trade orders for Cut Flowers at
prices ruling in the market on day of
Sale. TERMS STRICTLY CASH.Address **JOHN WALSH, MANAGER,**
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 633."**WISCONSIN FLOWER EXCHANGE,**
CUT FLOWERS, PALMS AND FERNS
Now ready a large supply of
Cape Jasmine, outdoor Valley, Common
Ferns, Smilax and Adiantums.
Write for quotations.
468 Milwaukee St., MILWAUKEE, WIS.**Cycas Leaves. FRESH CUT**
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EVERY
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WRITE
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and most convenient ever put upon
the market. They are made from
board, manufactured especially for
these goods, and made so as to resist
moisture, thereby keeping the flow-
ers fresh, and the box holding its
shape.**BEAUTIFUL JASMINES,**
IN BUD AND BLOOM.All orders filled at 75 cents per hundred. Nicely
packed—will carry several days. Special
rates on lots over one thousand.**HARRIS & CO., Hitchcock, Texas.****WELCH BROS.,**
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 34 & 36 RANDOLPH STREET,
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HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
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Our Roses best them all, in quality. Headquarters for fine American Beauties.

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SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
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 41 Wabash Avenue,
 Telephone Main 3208. CHICAGO.

Consignments solicited. Prompt attention to all orders.

Always mention the American Florist when writing to advertisers.

Wholesale Markets.

Cut Flowers.

	NEW YORK, May 28.	BOSTON, May 28.	PHILADELPHIA, May 28.	CHICAGO, May 30.	BUFFALO, May 29.
Roses, Perle, Hoste, Cusla	1.00@ 2.00	1.00@ 2.00	3.00@ 4.00	15.00@ 25.00	20.00@ 30.00
" Mermel, Watteville, Brides	1.00@ 3.00	2.00@ 3.00	2.00@ 3.00	2.00@ 3.00	4.00@ 5.00
" Bridesmaid	1.00@ 3.00	3.00@ 4.00	10.00@ 25.00	1.00@ 2.00	4.00@ 5.00
" La France	1.00@ 3.00	1.00@ 2.00	1.00@ 2.00	3.00@ 4.00	3.00@ 4.00
" Testout	1.00@ 3.00	6.00@ 8.00	1.00@ 2.00	1.00@ 1.50	1.00@ 1.50
" Meteor	1.00@ 3.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Beauty	5.00@ 20.00	3.00@ 4.00	25.00@ 30.00	15.00@ 20.00	2.00@ 3.00
" seconds	1.00@ 2.00	3.00@ 4.00	1.00@ 2.00	15.00@ 25.00	1.00@ 1.50
" Moss per bunch	.50@ 1.00	3.00@ 4.00	1.00@ 2.00	15.00@ 25.00	2.00@ 3.00
Carnations	25@ .75	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" fancy	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Valley	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Harrisll lilies	2.00@ 3.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Mignonette	1.00@ 4.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Smilax	25.00	3.00@ 4.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Adiantum	1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Asparagus	50.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Roses, Niphotos, Gontler	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Perle, Sunset	2.00@ 3.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Mermel, Brides	3.00@ 6.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Carnations	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Poeticus	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Longiflorum	6.00@ 8.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Mignonette, Stock	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Astilbe	3.00@ 4.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Marguerites, Mysotis	.75@ 1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Pansies	.25@ .50	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Adiantum	1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Smilax	25.00@ 30.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Asparagus	50.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Roses, large teas	3.00@ 4.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" small teas	2.00@ 3.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Beauties	10.00@ 25.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Carnations	.75@ 1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" extra	.75@ 1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Asparagus	35.00@ 50.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Valley	3.00@ 4.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Harrisll	8.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Cattleyas	25.00@ 35.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Sweet peas	.35@ .50	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Mignonette	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Smilax	15.00@ 25.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Adiantum	.50@ 1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Roses, Beauties select	15.00@ 25.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" seconds	8.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Large teas	2.00@ 3.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Small teas	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Meteor, Testout	3.00@ 4.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Carnations	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" fancy	1.50@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Valley	3.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Harrisll, Calias	10.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Cornflowers, per doz. bunches	.75@ 1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Gardenias	1.50@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Sweet peas	.30@ .50	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Peonias	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Smilax	15.00@ 20.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Adiantum	.50@ 1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Roses, Beauty	20.00@ 30.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Mermel, Bride, Bridesmaid	4.00@ 5.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Meteor	4.00@ 5.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" Perle, Hoste, Cusla	3.00@ 4.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Carnations, long	1.00@ 1.75	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
" short	.75	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Sweet peas	1.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Valley	3.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Smilax	15.00@ 20.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Adiantum	1.25	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50
Asparagus	50.00	1.00@ 2.00	1.00@ 2.00	1.00@ 2.00	1.00@ 1.50

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 ESTABLISHED 1884.

The Seed Trade.

AM. SEED TRADE ASSOCIATION.

D. I. BUSHNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

The Season in Boston.

The seed trade was fully three weeks late in starting this season, but when it did come it came altogether with a rush, and has now pretty well caught up with last year's average, and last year was a phenomenal year for the seedsmen, for with the exception of one week in the middle of April, when a heavy snow storm put a temporary end to seed buying, the weather could not have been better. The general report is that the month of May is going quite a little ahead of its record, especially in counter trade. There is less evidence of financial depression as compared with last season, and there are many indications of a better feeling among buyers. Customers are buying more liberally, and show less disposition to question prices. This is manifested most clearly in the trade which comes after May 10th, which is mainly the fancy flower seed trade.

Some dealers are showing a disposition to push the local mail trade. There is really no good reason why the Boston seed houses should not supply the bulk of the New England trade. It is useless for them to look outside of New England for business, for they cannot get it, but the New England trade they can have if they only go about it in an enterprising manner. Those pushing the florist trade also report it as quite satisfactory all around. This too, is limited mainly to New England territory. The only noticeable falling off in demand is in the case of Bermuda lily bulbs, which show quite a decrease from last year's sales. Quite a call has been noted for garden and farm seeds needed to replace those injured by the severe frosts in May, corn, beans, cucumbers, etc. having been cut completely down in many low lying sections.

There seems to be a marked improvement in taste among the common people, as shown in the increased demand for the better class of annuals. Sweet peas in all the improved varieties have had a tremendous run, and the same is true of nasturtiums. No two things have ever had the run that sweet peas and nasturtiums have had this year, and no two things are more generally satisfactory to amateurs. Larkspurs, cosmos, also white Victoria and Comet asters have sold unexpectedly well, and asters of all sorts are in short supply. As to novelties, either there are not so many available or the introducers are becoming more conservative. This is commendable, for undoubtedly a more cautious policy on the part of the catalogue people will greatly benefit the trade. There is no question that the wide spread prejudice against novelties is the legitimate result of unwise laudation of unworthy things. There is money in novelties of general merit, and a good thing put upon the market with truthful representation will soon sell itself. A big demand has been experienced in cannas, now that the fine varieties can be had at popular prices. Dahlias and tuberous begonias are also reported as selling unexpectedly well.

With those firms making a specialty of the tool and sundry trade business in this line has been very satisfactory. Evidence that money is circulated more freely is also seen in this department, as hammocks, garden hose and lawn mowers, tools which are to some extent luxuries

and which people can get along without when times are hard, have met with a brisk sale. Seedsmen with whom the tool business is a minor department assert that the competition of the country stores is becoming serious. In every country town of any pretensions now-a-days some one carries a good stock of agricultural implements, and retail buyers are no longer obliged to send to Boston for these goods.

Postal Rates on Seeds and Plants to Canada.

Replying to A. B., would say that the postage rate on plants and seeds to Canada is one cent per ounce. The special rule covering this matter is to be found upon page 960 of the Postal Guide for 1895, and reads:

"Note 2. Canada, articles of every kind or nature, which are admitted to the domestic mails of either country are admitted at the same postage rate and under the same conditions to the mails exchanged between the two countries; excepting that plants, seeds, etc., are subject to the postage rate of one cent an ounce."

S. Y. HAINES expects to make a trip to to Europe.

COLORADO and Dakota are now producing canary seed quite extensively.

MR. JOHN SPEELMAN, of C. J. Speelman & Co., sailed from New York on the Etruria for Holland May 25.

F. N. LANG, formerly in the seed business in Baraboo, Wis., is in Chicago on a visit from Washington. He contemplates attending the seedsmen's convention in Detroit.

JUDGE WILLIS and a jury are hearing the suit of Vilmorin, Andrieux & Co., a firm of seed dealers in Paris, France, against L. L. May & Co. The suit is for \$1,646, alleged to be due on account of goods sold. The defence is that the plaintiffs failed to carry out certain contracts with the defendants, and damaged them into the sum of \$5,000 thereby.—*St. Paul Globe*, May 25.

Worcester, Mass.

The weather continues fairly cool, and an occasional rain keeps the young stuff outside moving right along. Considerable planting has been accomplished at this date, the land getting into condition much earlier than last year. Florists handling bedding plants are hustling for all they are worth now, and in a good many cases are rather neglectful of the stock that will have to pay the bills next winter. Very fair trade is reported by the store men, and the scarcity of outdoor flowers keeps prices where they ought to be; flowers are not over-plentiful, as nearly every one is compelled to hold every bloom possible to fill orders. The scarcity of wedding decorations is phenomenal this spring; only a few small jobs this month and but few really good ones booked for June. A. H. L.

A Floral "Pick."

"A friend of mine," said a citizen, "asked me the other evening to go and call on some friends of his who had lost the head of the family the day previous. He had been an honest old Irishman, a laborer with the pick and shovel. While we were with the family an old man entered who had worked by his side for years. Expressing his sorrow at the loss of his friend and glancing about the room, he observed a large floral anchor. Scrutinizing it closely, he turned to the widow and in a low tone asked: 'Who sent the pick?'" —*Philadelphia Call*.

BIRMINGHAM, ALA.—E. R. Rockett, formerly of Vanderbilt, Ala., has moved to this place, and will this fall build three houses 12x100 feet.

BATAVIA, ILL.—Williams & Sons Co. will build two short-span-to-the-south rose houses 20x138 and one smilax house 20x104 feet.

PATERSON, N. J.—James M. Rea has leased Mrs. A. B. Murray's place and will continue the business under his own name.

HOUSTON, TEX.—On May 23 there was an elaborate floral parade here in honor of distinguished visitors.

WE HAVE A 2,000,000 FREESIA REFRACTA ALBA AND MUST DISPOSE OF

We therefore offer to accept up to July 1st, orders for well matured, fine Bulbs 1/2 to 3/4-inch diameter and over, per 100 50 cts.; per 1000 \$3.50; per 10,000 \$32.00; per 50,000 \$150.00. DELIVERY IS INCLUDED IN THESE PRICES.

JAPAN LONGIFLORUM. Cheaper and better than Harrisii. TRY THEM.
CALLA ETHIOPICA. LITTLE GEM CALLA.

Send for our NEW Price List. We will give 10 per cent, discount on ALL orders booked up to July 1st.

Address H. H. BERGER & CO.,
ESTABLISHED 1878. SAN FRANCISCO, CAL.

VAN ZANTEN & CO.,
Hillegom, Holland,
Headquarters for High Grade Forcing Bulbs
HYACINTHS, TULIPS, NARCISSUS OUR SPECIALTY.
Prices Low. Best Quality.

Ask for wholesale price list to S. ASCHER, 16 Exchange Place, New York City.

THE BROWN BAG-FILLING MACHINE CO.,
MANUFACTURERS OF
AUTOMATIC MACHINES FOR PUTTING UP SEEDS,
FITCHBURG, MASS.

FORCING BULBS.

HYACINTHS, TULIPS, DAFFODILS,

And all other Bulbs for forcing and outdoor, in very fine quality, at very low rates.

References as to quality of our Bulbs, we can give you to nearly all the leading Bulb Importers of the United States.

Send your orders **AS SOON AS POSSIBLE**, as we commence despatching Bulbs soon.

SEGERS BROTHERS,

WHOLESALE BULB GROWERS,
LISSE, near Haarlem, HOLLAND.

IMPORT PRICES
 ON ALL
FALL BULBS
 NOW READY.
Seasonable
Deliveries
 on
Every Item.

VAUGHAN'S SEED STORE

New York: 26 Barclay St. CHICAGO: 84 & 86 Randolph St.



Gardiner's Celebrated English Mushroom Spawn.
 Fresh and Reliable.
 \$7 per 100 lbs.
 Special price on larger quantities.
 John Gardiner & Co., Philadelphia, Pa.

LILIUM HARRISII.
 Original and largest growers of this important bulb.
OUR SPECIALTY!
 True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
 TARRYTOWN-ON-HUDSON, NEW YORK.



NO DISEASE
 among the Longiflorums from Japan.
 Why not try some of these instead of the Bermuda stock? Cheaper, and no disease. I can deliver by Oct. 1st if I hear from you at once. Three sizes, 5 to 7 in., 6 to 8 in. and 7 to 9 in.; guaranteed 75 per cent. single crowns, and Delivered on Time, if I hear from you at once. Let me figure on your other wants in the bulb line.
G. C. WATSON, 43 North 10th Street, PHILADELPHIA, PA.

F. & H. VAN WAVEREN,
BULB GROWERS,
Oak Hill, Bennebrock, Holland,

offer the following varieties at exceptionally low prices:

SINGLE EARLY TULIPS. Per 1000	DOUBLE TULIPS. Per 1000
SCARLET DUC VAN THOL \$ 2.50	MURILLO, bluish \$10.00
QUEEN VICTORIA, white 3.00	TOURNESOL, red and yellow. 10.00
L'IMMACULEE white 4.00	REX RUBRORUM, scarlet 10.00
POTTEBAKKER, white 10.00	LA CANDEUR, white 4.00
YELLOW PRINCE 7.00	HYACINTHS.
YELLOW CHRYSOLORA 7.00	MIXED 15.00
BELLE ALLIANCE, scarlet 4.00	SECOND SIZE, all varieties. 20.00
KEISERS KROON, red and yellow border 7.00	FIRST SIZE, all varieties. 40.00
DUC VAN THOL, red and yellow border 2.50	



TRY DREER'S GARDEN SEEDS,
 Plants, Bulbs & Requisites.
 They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
 Philadelphia, Pa.
 Mention American Florist.

M. KEPPLER,
 Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
 Florists and Gardeners trade a Specialty.
 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

FINEST OF BULBS
AT LOW RATES.
 Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.
HULSEBOSCH BROTHERS, Englewood, N. J.
 Mention American Florist.

WE SELL SEEDS
 Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
 Seed Merchants and Growers,
 114 Chambers Street, NEW YORK.

Rochester, N. Y.

Supply of cut flowers is still below the average for this time of the year. Roses are of much better quality than they have been for weeks, and the demand for them is good; every one of the retailers is anxious to secure his share. There is also a scarcity of sweet peas, which had been plenty a short time ago. Cheap outdoor stuff, such as is in brisk demand for Decoration Day, is not to be had in quantity, and many a would-be buyer has to go without flowers, for the bulk of sales on this day runs to cheap flowers. Few can afford to buy roses or carnations to adorn the grave of a relative, but then bedding stuff is away down, so that instead of a bunch of cut flowers, one or two plants or a dozen of pansies are substituted. The latter retail at 25 cents per dozen, basket and all, surely a very low figure, and I don't see how anybody can make a profit at that price. The surrounding towns, which usually depend on Rochester for a supply of cut flowers on this day have to go without them this year. There is no extra demand for any bloom grown under glass; the sales in this line on Decoration Day are not larger than at ordinary times, but if cheap outdoor flowers are to be had and can be sold at low prices a great quantity would be disposed of.

As the weather is very unsettled yet, a number of growers keep up their fires still. We had several night frosts the past week, which condition delays all planting of soft plants, consequently even the spring trade in bedding plants is not as it should be, and nearly every grower of such is dissatisfied with the business. Today (May 28), the weather being a little milder, flower beds in the cemeteries are being filled at the risk of having to be replanted if another cold night should spoil them, but we all hope that the untimely frosts have left this section for good. Most of the cemetery work has to be finished before Decoration Day, and florists are seen swarming over every part of the grounds planting beds, adorning graves and filling vases, etc., anxious to get through their work at the right time.

Richard Salter of Salter Bros. contracted a very severe cold in the recent unpleasantly cold spell and narrowly escaped serious trouble, for it was generally believed that pneumonia had taken hold of him, but judicious care and persistent nursing avoided serious effects, and his many friends will be pleased to know that he will be able, we hope, to assume his post in the store again in a few days.

W. H. King, who has been reported on the sick list, is somewhat better, and is also expected to be in attendance again in the near future.

Just as I was closing my letter notice of the voluntary assignment of E. R. Fry, florist, for the benefit of his creditors, reaches us. It is too soon for particulars yet. Mr. Fry will undoubtedly resume business again in a short time.

J. B. K.

FLORIST Read this and be Happy. COLEUS.

A fine lot of young stock of at least 30,000 plants in 2 and 2½-inch pots, our selection \$10.00 per 1000; your selection, \$15.00 per 1000. £00 at 1000 rates. Just right for hedging out, and all the best bedders.

CASH WITH THE ORDER.

J. E. FELTHOUSEN,
370 Van Vranken Ave., SCHENECTADY, N. Y.

Make No Mistake! Get the Very Best CHRYSANTHEMUMS

for next Fall's shows, and for cut flowers, pot plants, etc. Here is a partial list. They are in prime condition for shipping.

Lady Playfair.....	\$10.00 per 100	Major Bonnaiffon.....	\$ 5.00 per 100
Mrs. Craig Applincott.....	5.00 "	Mrs. Jerome Jones.....	5.00 "
Eugene Dailedouze.....	5.00 "	The Queen.....	5.00 "
Mlle. Therese Rey.....	5.00 "	Marie Louise.....	5.00 "
Inter Ocean.....	5.00 "	Marion Henderson.....	5.00 "
H. L. Sunderbruch.....	5.00 "	Laredo.....	5.00 "
Maud Dean.....	4.00 "	M. R. Spaulding.....	4.00 "
Geo. W. Childs.....	4.00 "	Mutual Friend.....	4.00 "
Mrs. J. Geo. Hls.....	4.00 "	Mrs. E. G. Hill.....	4.00 "
Illuminator.....	4.00 "	Niveus.....	3.00 "
Eda Praas.....	3.00 "	Tuxedo.....	3.00 "
Summit.....	3.00 "	Ada H. Leroy.....	3.00 "
Ruth (Margaret Graham).....	3.00 "	Harry Balsley.....	3.00 "
Jos. H. White.....	3.00 "	Col. W. B. Smith.....	3.00 "
Miss Sue T. Price.....	3.00 "	Wm. H. Lincoln.....	3.00 "
Malmalson.....	3.00 "	Mrs. J. G. Whalldin.....	3.00 "
E. G. Hill.....	3.00 "	Ermeolida.....	3.00 "
J. H. Taylor.....	3.00 "	Ivory.....	3.00 "
Mrs. Geo. Bullock, or Domination.....	3.00 "		

Strong, well-rooted sturdy stuff in thumb pots N. B.—If selection is left to us, 20 per cent. off above prices. Special quotations for large quantities. Send for our list of the cream of the novelties.

MONEY ORDER OFFICE,
STATION "H," Philadelphia.

EDWIN LONSDALE,
Wyndmoor, Chestnut Hill, PHILADELPHIA, PA.

FOR SALE.

Our Entire Stock of

PALMS, FERNS and DECORATIVE PLANTS.

Six 150 foot houses of the finest decorative stuff in Western Pennsylvania at your own price. It will pay to come and see it if you want good stuff **cheap**.

MUST be sold before June 15th.

JOHN R. & A. MURDOCH,
508 Smithfield Street, **PITTSBURG, PA.**

Surplus Stock.

5000 Ampelopsis, Japan Ivy, strong 1 year old pot grown \$1.00 per 100; \$30.00 per 1000
5000 Geraniums, strong plants from 4-inch, in bloom, the best market sorts. \$6.00 per 100
5000 Geraniums, 2½-inch. \$3.00 per 100
5000 Cannas, Mme. Crozy and others, strong 4-in. \$6.00 per 100.
5000 Alyssum Carpet of Snow, 2½-in., \$3.00 per 100
5000 Coleus Verschaffellii and Golden Bedder, 2½-inch. \$3.00 per 100; \$25.00 per 1000
Chrysanthemums, rooted cuttings, the leading cut flower varieties, \$1.00 per 100. Also the newer varieties of Chrysanthemums, from 2½-inch pots. Price on application.

EVENDEN BROS.,
Williamsport, Pa.

CHRYSANTHEMUMS

Standard Commercial Varieties.

CHEAP.

HUNTSMAN & CO.,
247 Race Street, CINCINNATI, O.
WRITE FOR LIST.

COLEUS, fine varieties. Per 100
Rooted cuttings.....\$.75
2-inch pots..... 2.00
GERANIUMS, fine named varieties in 4,
3 and 2 inch pots.....@ \$8, \$5 and 2.50
CALIFORNIA DAISIES..... 6.00
REX BEGONIAS, 4-inch pots..... 8.00
Heliotrope, Salvia, and other bedding plants.
E. M. & H. N. HOFFMAN, Elmira, N. Y.

A. & F. RÖLKER,
AUCTIONEERS OF
Plants, Bulbs, Orchids, Etc.
106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.

Chrysanthemums AND Carnations.

The best New and Standard varieties at reasonable prices.

NATHAN SMITH & SON, Adrian, Mich.

\$. \$. \$. FOR DOLLARS.

MME. F. BERGMAN is the best early white to date. Price from 2½-inch pots, \$1.00 per 100.
YELLOW QUEEN, best early yellow, 2½-inch pots, \$4.00 per 100. Fifty other good market sorts from 2½-inch pots, \$3.00 per 100.
Special price on large quantities.
SMILAX, from 2½-inch pots, strong, \$2.50 per 100; \$20.00 per 1000. Send for Catalogue.
ADDRESS J. G. BURROW, Fishkill, N. Y.

CROTONS,
INTERRUPTUM AND AUREA.
FARFUGIUM and ASPIDISTRA.
Write for prices.
LOUIS UNVERZAGT,
Capitol Greenhouses, Springfield, Ill.

Garnation Plants.

IT IS GETTING LATE,

and why buy rooted cuttings when you can get strong plants from soil. They will all grow, and make better and stronger stock.

We can give you the much sought for WM. SCOTT, free, clear pink, for \$3.00 per 100; OAY-BREAK, TIDAL WAVE, SILVER SPRAY, LIZZIE MCGOWAN, PORTIA, etc., at \$3 per 100; GOLDFINCH, HELEN KELLER, THE STUART, E. A. WOOD, \$5.00 per 100.

Discount of 10 per cent on orders for 500 or more of a kind. All orders must be accompanied by cash.

We can furnish the following new varieties of '95, mostly transplanted:

	Per 100	Per 1000
KOHINOOR, new white, large, free . . .	\$12.00	\$100.00
ROSE QUEEN, new, fine pink variety	12.00	100.00
CORSAIR, the scarlet McGowan . . .	10.00	75.00
ALASKA, large, white, free, new . . .	10.00	75.00
LIZZIE GILBERT, brilliant scarlet . . .	10.00	75.00
STORM KING, large, pure white . . .	10.00	75.00
METEOR, large, bright crimson . . .	10.00	75.00
BRIDESMAID, clear rich pink . . .	10.00	75.00

GEO. HANCOCK & SON,
Grand Haven, Mich.

VERBENAS

In bud and bloom.	per 100	per 1000
MAMMOTH, bushy plants . . .	\$3.00	\$25.00
GENERAL COLLECTION bushy plants . . .	2.50	22.00

ROSES.

AMERICAN BEAUTY, fine, clean, healthy stock, 2 1/2 inch . . .	\$5.00	\$75.00
3 inch . . .	10.00	95.00
HYBRID PERPETUAL, fine young fall propagated, 2 1/2 inch . . .	5.00	45.00
Strong 5 and 6 inch in bud and bloom . . .	25.00	

CHRYSANTHEMUMS.

Fifty fine varieties . . . \$4.00 to \$6.00 per 100

MISCELLANEOUS BEDDING PLANTS.

	Per 100
ANTHEMIS from 2 1/2 inch pots . . .	\$4.00
3 inch . . .	6.00
ALTERNANTHERA . . .	3.00
AGERATUM, Blue and White . . .	3.00
COLEUS from 2 1/2 inch pots . . .	\$25 per 1000 3.00
3 inch . . .	5.00
DRACENA INDIVISA, strong, large plants . . .	40.00
TERMINALIS, nicely colored, 5 in. . .	\$4 per dozen
FUCHSIAS, 3 1/2 inch pot, splendid variety . . .	8.00
GERANIUMS, double and single, 3 1/2 inch pots . . .	8.00
2 1/2 inch . . .	4.00
HELIOTROPE, 2 1/2 and 3 inch pots . . .	\$3 and 5.00
SALVIA SPLENDENS, 2 1/2 and 3 in. pots . . .	\$3 and 5.00
CARNATIONS, 3 1/2 in. pots, summer blooming . . .	15.00
CANNAS, Mme. Crozy, Creole and 6 other varieties, strong dry roots . . .	4.00
P. NDANUS UTILIS, 5 and 6 in. pots, \$5 & \$8 per doz.	

WOOD BROTHERS,
Fishkill, N. Y.

PANSIES.

THE FINEST STRAIN, ALL IN BLOOM.

Cold frame plants; will sell now to close out at \$1.50 per 100; \$12.00 per 1000. Stock is extra fine, all colors mixed.

E. B. JENNINGS,

Wholesale Pansy Grower,
Cash with order. Lock Box 254, SOUTHPORT, CONN.

25,000 Coleus.

Golden Queen and Red Verschaffeltii.

Also 25 leading varieties; all bright colors; fine plants, 2 1/4 inch pots, \$2.00 per 100; \$18.00 per 1000. Cash with order.

C. F. FAIRFIELD, FLORIST,
SPRINGFIELD, MASS.

W. A. MANDA,

MERCHANT, GROWER, IMPORTER & EXPORTER OF

FLORISTS'

Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

VIOLETS.

ROOTED RUNNERS.

Marie Louise.

Warranted free and clear of disease, \$4.00 per 1000, ready for Delivery April 1st.

HENRY HESS, Florist, Cockeysville, Balto. Co., Md.

SPECIAL OFFER TO CLOSE OUT SURPLUS.

CANNAS, nicely started, ready to plant.

3000 Alphonse Bouvier . . . \$3.00 per 100

3000 Geof. St. Hilaire, bronze 3 00 per 100

CARNATIONS from soil, ready to plant out.

3000 Thos. Cartledge . . . @ \$12 per 1000

1500 Stuart . . . @ 20 per 1000

3000 Albertini . . . @ 15 per 1000

Same varieties from sand, \$3.00 per 1000 less.

ABOVE PRICES ARE FOR CASH WITH ORDER; PLANTS TO BE DELIVERED F. O. B. CARS AT QUEENS. All other stock sold out.

THE COTTAGE GARDENS, QUEENS, N. Y.

30,000 VERBENAS. THE CHOICEST VARIETIES IN CULTIVATION

Extra fine plants, in bud and bloom, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1 per 100; \$8 per 1000 NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

CARNATIONS CARNATIONS

SURPLUS STOCK.

Good strong plants from the soil, ready to set out in the open ground of the following varieties, at the same rate as rooted cuttings were sold.

	Per 100	Per 1000
WM. SCOTT . . .	\$3.00	\$25.00
DIAZ ALBERTINI . . .	3.00	25.00
UNCLE JOHN . . .	5.00	40.00
THE STUART . . .	5.00	40.00
GOLDFINCH . . .	5.00	40.00
E. A. WOOD . . .	5.00	40.00

And a limited number of the two new varieties, METEOR and BRIDESMAID.

FRED. DORNER & SON,
La Fayette, Ind.

Michel Plant and Bulb Co., WHOLESALE FLORISTS.

ST. LOUIS, MO.

CARNATIONS.

ROOTED CUTTINGS OF
KOHINOOR, PURPLE KING,
and many of the standard kinds.
Prices on application.

C. J. PENNOCK,
The Pines. KENNETT SQUARE, Chester Co., PA.

NEW AND TESTED CARNATIONS OUR SPECIALTY.

Send for price list.

FISHER & AIRD,
ELLIS, NORFOLK Co., MASS.

E. G. HILL & CO., Wholesale Florists

RICHMOND, INDIANA.

CARNATIONS Last Call.

CHESTER PRIDE, PORTIA, AURORA, LIZZIE MCGOWAN, PURITAN and TIDAL WAVE, \$1.25 per 100; \$10.00 per 1000.
WM. SCOTT, \$2.50 per 100. All other varieties sold out; also Lady Campbell Violet.

JOSEPH RENARD,

UNIONVILLE, Chester Co., PA.

Mention the American Florist when writing to advertisers on this page.

CARNATIONS

Healthy well rooted cuttings of

Per 100 Per 1000

Lizzie McGowan, Silver Spray, Puritan, Grace Wilder . . .	\$1.50	\$10.00
Daybreak . . .	2.00	15.00
Portia, American Flag . . .	1.50	10.00
Tidal Wave and Orange Blossom . . .	2.00	15.00

DOUBLE PETUNIAS—Finest white and fringed varieties, \$1.50 per 100.

CHRYSANTHEMUMS—Finest white, pink and yellow varieties, \$2.00 per 100.

COLEUS—Red and yellow and mixed variety, \$1.00 per 100; \$8.00 per 1000.

Heliotrope, Ageratum and German Ivy, \$1.00 per 100. Cash with order.

JAMES HORAN & SON,
BRIDGEPORT, CONN.

THE COTTAGE GARDENS, Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no Rust. Also rooted runners Lady Campbell Violets. Send for Price List.

Wm. Swayne,
P. O. Box 226. KENNETT SQUARE, PA.

LIZZIE MCGOWAN,

\$1.50 per 100; \$12.50 per 1000.

WM. SCOTT,

\$3.00 per 100; \$25.00 per 1000.

Guaranteed stock, well-rooted, free from disease, strong and stocky. Most popular Carnations on the market.

ALEX. McBRIDE, Alplaus, N. Y.

The most Complete Assortment of Stock in the West for

FLORISTS and NURSERYMEN,

Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.

Catalogue and Price List free.

THE STORRS & HARRISON CO.,
Painesville, Ohio.

New Fuchsia LITTLE BEAUTY. 50,000 Now Ready.

The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100.

BEGONIA Odia, from 2 1/2 in. pots, \$9 per 100.
GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2 in., \$3.25 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist,
4010 Butler Street, Pittsburgh, Pa.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

St. Louis.

During the past week business in the cut flower line was very brisk. The cold snap quickly ended the glut of flowers.

There will be no chrysanthemum show in this city this year. It was so decided by vote of the club at the last meeting.

Mr. Fred Ude is sending in some very fine Triumph carnations.

Mr. Martin Reukauf of H. Bayersdorfer & Co. was a recent visitor.

Tom Carroll reports that all the tomato plants were frozen during the recent cold.

Chas. Cannon is cutting a large lot of Harrisii's.

All the wholesale men report trade good. They sell out clean every day.

At its last meeting the Bowling Club voted to change alleys. Two teams tried the new alleys at Compton and Park avenues, and made good scores. Next Tuesday night they will roll at the new alleys just opened at the northeast corner of 18th and Park avenue, and will report at the next meeting. Carl Beyer won the "high" medal, John Young the "lucky" medal, and R. Frow the "unlucky" medal.

Mr. Brown's fear that the Pittsburg scores will frighten the other clubs is noted. Will the Pittsburg boys put up such good scores when the tournament takes place? Somehow it's always different when players are held to the rigid rules enforced on such occasions. St. Louis intends to make a strong pull for the cup this year.

The fakir is with us. They have their little stand on Broadway, and sell at one-half the prices asked by legitimate florists, and do much harm to the stores. The only way to get rid of them is for the wholesale men not to sell to them. What can the grower receive for his stock when the fakir sells a bunch of 25 carnations for 15 cents, or roses at 25 cents a dozen, and good stock at that. Would it not be wise for the grower to insist that his stock be sold only to legitimate florists? With the fakir off the street the florists would use more stock, and both the grower and the commission man would make more.

J. J. B.

SURPLUS STOKK.

	Per 100
Alyssum 3 varieties	\$3.00
Ageratum, white and blue	3.00
Abutilons, 2-in.	4.00
" 3 1/2-in.	6.00
Alternantheras	3.00
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Aloysia ciriodora	5.00
Begonias—Metallica and Argentea guttata	3.00
" Rex in variety	5.00
" 3-in.	10.00
Cyperus alternifolius	6.00
Cissua discolor	6.00
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Cannas—Mme. Crozy, Star of '91, A. Bouvier, Florence Vaughan, Egandale, Pres. Carnot and others	6.00
Canna Columbia	each \$1.00
" Prima Yellow	each .75
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Calla Little Gem	6.00
Cuphea, 2 varieties	3.00
Centaura gymnocarpa	3.00
Feverfew Golden Feather	3.00
Fuchsias Fralling Queen, etc.	4.00
Geranium Mme. Salierol	4.00
" Ivy-leaved, 3-in.	4.00
" L. Elegans	5.00
Glechoma Hederacea var.	4.00
Hibiscus in variety	4.00
Hardy Plinks	4.00
Heliotropes	4.00
Lobelias	3.00
Marguerite Daisy	3.00
Mauetta Vine	4.00
Moon Vine, blue	4.00
Mexican Primrose	3.00
Primula Obconica, 3 1/2 in.	6.00
Pelargonium, our selection	4.00
Peristrophe Angustifolia	4.00
Pansies, large cold frame plants	2.50
Selaginella Arnella, 2-in.	5.00
Verbenas	3.00
Vincas, 2-in.	3.00

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P. Major all sold.

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2 1/2-in. pots, cheap, or exchange for Coleus plants.

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Areca rubra..... 1.00 7.00

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BRADIA FILIFERA. Per lb. \$1.00; per 10 lbs. \$7.50.

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150,000 of all the leading varieties.

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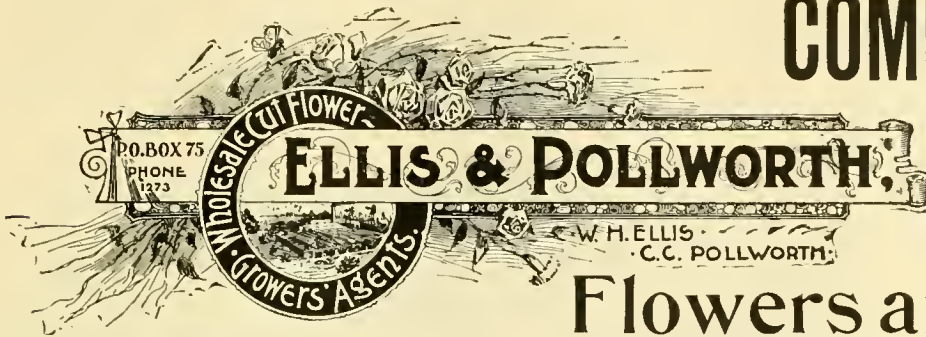
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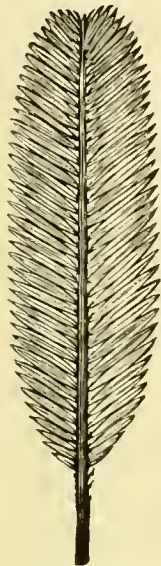
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SEND FOR OUR CATALOGUE OF SUPPLIES.
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LET US ESTIMATE ON YOUR BULB ORDER.

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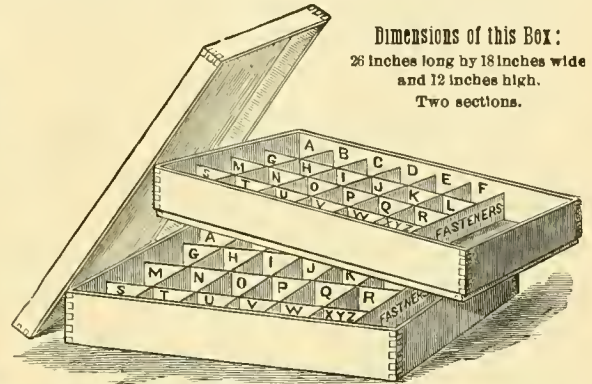
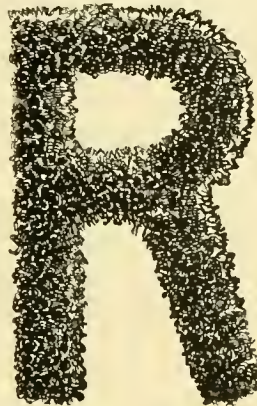
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Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

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Two sections.

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A GENERAL ASSORTMENT OF
FRUIT TREE STOCKS, MAHALEB CHERRY, SMALL BURNING TREES,
SOLD AT APPLE, PEAR, MAHALEB CHERRY, SMALL BURNING TREES,
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Used now by the leading Florists.
75c. per quart; \$1.25 per ½ gallon; \$2.00 per gallon; \$9.00 for 5 gallons.

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Kills Mildew and Fungus Growth.
What does?
GRAPE DUST.
Sold by Seedsmen.

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St. Paul.

This week shows no great change over last week's trade report, except an increased activity all along the line, occasioned by the warmer weather and the near approach of Memorial Day. While some of the craft are very busy others complain of poor trade. While prices on bedding plants are not quite as good as a year ago we think the aggregate in sales will be much larger. Vases, beds and window boxes are springing into existence quite rapidly, and they mean larger sales for the florists.

In cut flowers business is very active, and at the present writing (29th) white flowers are very scarce. Decoration Day trade is very good, both in plants and cut flowers. Prices range about as follows: Roses \$1 to \$1.50 per dozen; carnations 50 to 75 cents per dozen; sweet peas 25 cents per dozen. Carnations are very scarce, in fact impossible to secure in any quantity. Of outdoor stock there are a few snowballs left, but nothing else. Peonias are not in bloom and lilacs are all gone.

In the plant line, pansies are now retailing at 25 cents per dozen; geraniums \$1 to \$1.50 per dozen, no material change from last year's prices. I know there is stock being offered both in cut flowers and plants at lower prices, but the bulk of such stock is inferior and second-class.

It is reported that Chas. Bennett has disposed of his florist business to Mr. Peterson, formerly with C. D. Elfelt.

L. L. May & Co. report a very heavy shipping trade both in cut flowers and bedding plants. Their ball team, the "Purple Top Rutabagas," on Saturday last met and defeated a team of printers by the decisive score of 31 to 16.

Chas. Vogt of the city market has a new rig to facilitate his business.

August Rhotert of New York and S. Y. Hines of Minneapolis were callers during the week. FELIX.

A Pointer for the Bermudians.

Evidently our friends across the water have had to face problems not unlike our own Bermuda lily bloom controversy, for on the catalogues and circulars of a prominent Dutch bulb firm we find the following pertinent declaration:

1. That we do not send cut-blooms over.
2. That we do not sell or give away flowers.
3. That we do not send bulbs to be sold by auction.
4. That we do not supply other than wholesale people.
5. And that we do in no way, neither directly or indirectly, favor or assist the trade in flowers.

Paste that in your hats, Bermuda growers; you have got to come to it sooner or later.

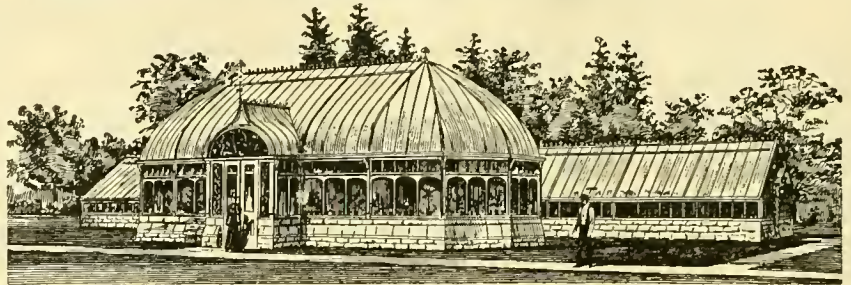


New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advs., floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).
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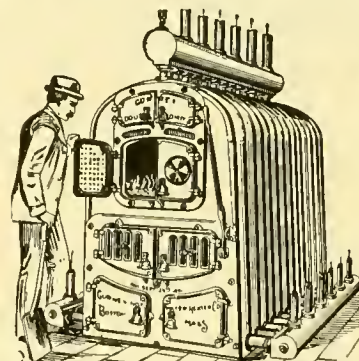
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 or "MEAT SAW" LIFT.

PRICE REDUCED TO SUIT HARD TIMES.

Will do the work quick, better, and COST LESS than any other appliance ever invented.

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For Flowers,

lawn and potted plants, a highly concentrated, absolutely odorless, and perfectly soluble plant food is necessary.

Albert's Horticultural Manure

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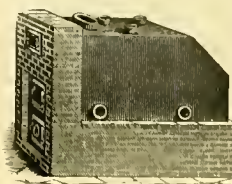
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Send for catalogue and price list.

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WHERE THIS NOZZLE IS USED.



CHILD'S RAIN MAKER

Throws a powerful spray at such an angle that spraying the underside of the foliage is no effort at all. It is simplicity itself but "gets there" every time. It is well made of polished brass and will last a lifetime.

RICHMOND, IND., April 10, 1895.

MR. P. M. CHILD,

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Sorry we did not have them sooner.

Yours truly, E. G. HILL & CO.

Price, \$1.00 each, prepaid. TRY IT, AND RETURN IT at once. If not satisfactory, and your money will be sent back.

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THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill.

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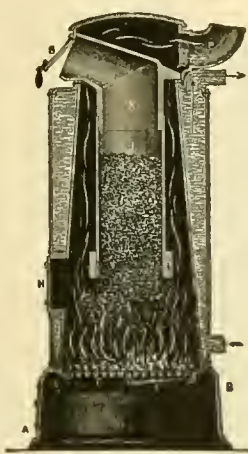
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ALL STEEL. SELF-FEEDER.

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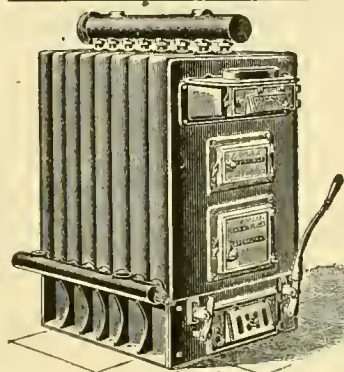
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And all places requiring hot water for HEATING AND GENERAL USE.

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It will be to your advantage to look into the merits of the SCOLLAY "INVINCIBLE" HOT WATER BOILER.

It is all that its name implies and don't forget it. Cuts and full information mailed on application.

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74 & 76 Myrtle Ave., BROOKLYN, N. Y.

D. H. ROBERTS,

132 and 134 S. Fifth Avenue, NEW YORK,

NATURAL GAS MADE GLASS,

FOR ROSE HOUSES, CONSERVATORIES, ETC., ETC.



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FOR WATER, AIR, STEAM, ACIDS, OILS, LIQUORS, GAS, SUCTION, And for any and every purpose for which a hose can be applied.

Sizes, 1/2-inch to 42 inches diameter. The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our Patents. The rights secured to us render each individual dealer or user responsible for such unlawful use with all the consequences thereof. For prices and discounts address WATERBURY RUBBER CO., Sole Mfrs and Owners of all the Sphincter Grip Armored Hose Patents, 49 Warren Street, New York J. C. VAUGHAN, Agent. CHICAGO.

TO TAKE PLACE OF WIND MILLS

HOT AIR PUMPING ENGINES

A Windmill

Is unreliable because it depends upon the element for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

DE LAMATER-RIDER CR DE LAMATER-ERICSSON Hot-Air

Pumping Engines

are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

Send for illustrated catalogue to THE DE LAMATER IRON WORKS, 87 South Fifth Av., NEW YORK, N. Y.

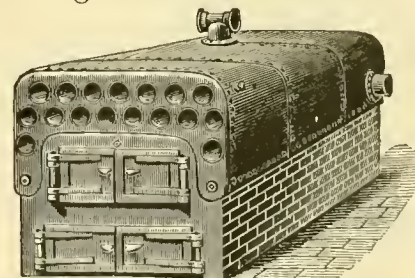
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DEVINE'S BOILER WORKS.

THE FLAT TOP TYPE

Wrought Iron Hot Water Boilers.



Capacity from 350 to 10,000 feet of four-inch pipe. SEND FOR NEW LIST.

FRANK DAN BLISH, Att'y,

OFFICE, 69 DEARBORN ST., WORKS, 56th & WALLACE STREETS, CHICAGO.

How It is Done.

California is trying the experiment of shipping cut flowers to the east, and the railroads have cut transportation rates 40 per cent. to help the enterprise. A shipment last week contained thirty-five thousand calla lilies, English ivy and other varieties. If successful there will be big money in it.—*Beverly (Mass.) Times*

As soon as the burden has been borne of making a market by the florists, and there gets to be big money in it, then "Presto change," up goes the freights, and the railroads scoop the money and the florists take what they can get.

This old trick has been played so often that it is dangerous to an industry to build up on the seeming good will of a railroad.—*Malden (Mass.) Press.*

The sympathy of the *Malden Press* will be appreciated by the florists because so contrary to the usual sentiment expressed by the newspapers, and its opinion of railroads is undoubtedly well founded, but we venture to predict that there will be nothing in the above mentioned scheme for either the railroads or the florists to lose sleep over. Alas, the "big money" so glibly referred to by our worthy contemporaries is "only in your mind."

"The Flower of Death."

Under the above startling heading the *Philadelphia Times* prints the following tale:

In the mountains of Mexico, high up in the most inaccessible passes or buried within the deepest gorges, there grows a strange flower which the natives call "The Flower of Death." From their description of it, the plant must belong to the great cactus family, whose name is more than legion in that part of the world, yet it is, however, devoid of thorns, and the heavy succulent leaves exude a viscid fluid which will burn into solid rock like a strong acid. In shape the flower somewhat resembles two calla lilies placed face to face. Instead of the gracefully tapered point of the lily, however, the two petals of the flower of death are quite short and thick, presenting the awful appearance of parted livid lips, through which the red pistil protrudes like a horrid bleeding tongue.

It is said that this flower gives out an odor so penetrating and so intensely disagreeable that buzzards are frequently attracted by it, mistaking it for their rightful spoil. This of itself is horrible to contemplate, and yet the half has not been told, for so noxious is the poison of the flower that no man can smell it and live. In Mexico one hears stories of many an unwary traveler who has come to an untimely death by inhaling the poisonous breath of this curious flower, and the mountain bandits, no doubt, know very well how to have it held accountable for the death of many of their own victims.

What a terrible spree the writer of the story must have been on the day before.

Effective Liver Pills.

Her hubby was ill and she gave him regularly a liver pill from a box without a label but which seemed to be the required thing. He seemed to improve under this treatment until one day when he happened to turn the box over and discovered that there was a label on the bottom, which informed him that the supposed pills were "Crown Prince Morning Glory seeds." This unfortunate discovery completely neutralized all the benefit previously conferred by the "liver pills."—*Rochester Democrat.*

The Flowers Working Women Wear.

The sidewalk statistician of the *Chicago Mail* recently counted the women who passed the corner of Madison and La Salle streets between 7:45 and 8 a. m. and gives the following results:

Women wearing lilac blossoms	179
Women wearing roses	9
Women wearing dandelions	19
Women wearing pansies	6
Women wearing sweet peas	26
Women wearing or carrying other flowers	63
Women with no flowers	305
Total	607



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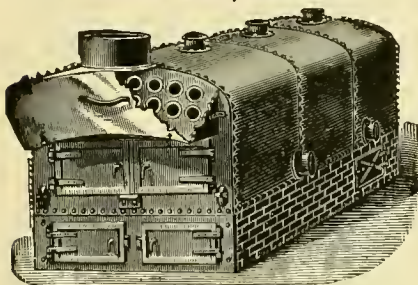
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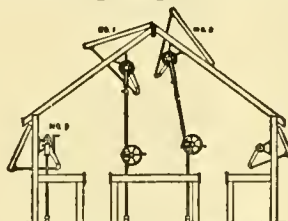
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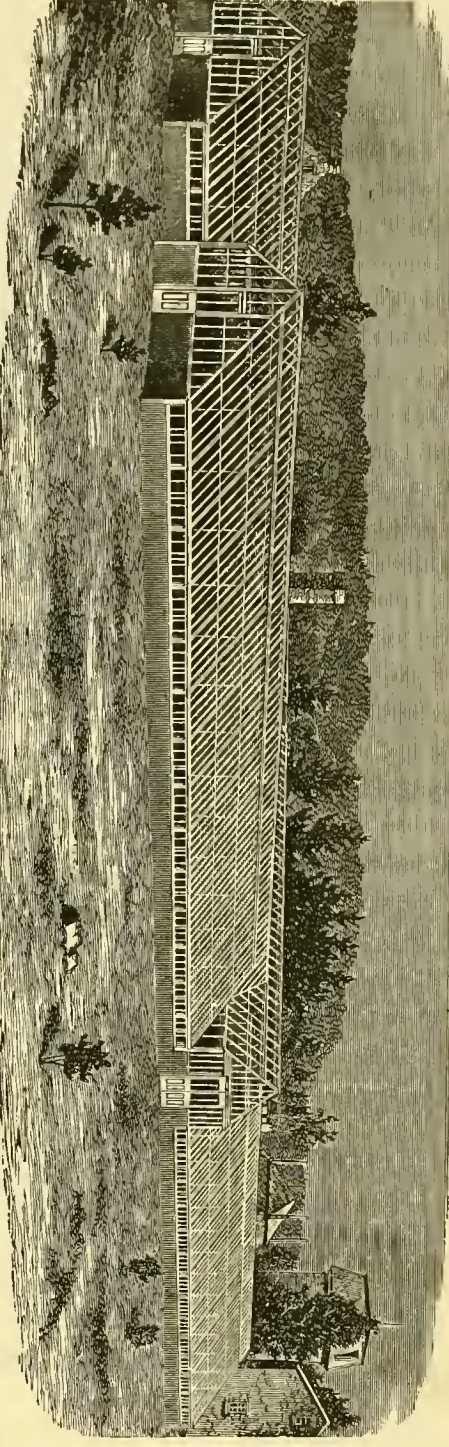
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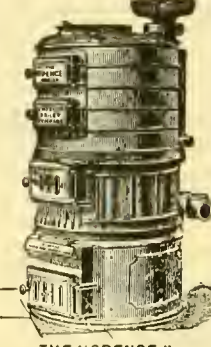
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Vol. X. CHICAGO AND NEW YORK, JUNE 8, 1895. No. 366

THE AMERICAN FLORIST

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; Wm. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 20, 21, 22 and 23, 1895.

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Galt, Ont.

After a very dry spell, to-day (June 5) we have had three hours of nice rain, warm and moderate, just what was wanted. Plant trade brisk, cut flowers selling cheap; carnations 10 cents per dozen; roses—well, the following will tell: Three ladies enter greenhouse, "we want some cut flowers." Florist, all smiles (expecting a big order), "what kind, carnations?" "No, roses." "About how much?" "Well, about five cents."

The friends of J. W. Scott will regret to hear that he is still on the sick list.

MAC.

MECHANICSBURG, O.—S. L. Harper is starting in business here as retail florist, with one house 20x60, which will be enlarged as occasion requires.



Orchids for June.

Theories are the very last things to be indulged in about orchids or any other plants. There is only one way about them, and that is to learn every possible particular as to their natural environments, and artificially supply the requisites of heat and moisture and periodicity of rest and growth as closely as climate will permit. When all resources are exhausted you will still be far enough away from nature in many and vital essentials, not the least of which is the tropical sun itself. Most of the theorizing arises from the very paucity of our knowledge regarding the immense differences in tropical climates, not so much as regards the heat measures, for within certain limits these are fairly constant, but the vastly greater differences which occur in the supply and seasons of moisture. There are vast regions from which it is impossible to obtain any returns whatever, the observations have never been taken. Those gardeners, however, who have had experience in the cultivation of tropical fruits under glass can easily group orchids or other tropical plants in regard to heat as banana orchids and orange orchids—not "Florida oranges" mind, they get frozen!—and this is really about all that has been, or can be done. But this takes no account of insular climates and their periodicity in rainfall and depressions of temperature. These manifest themselves in very unexpected ways at times, and they are often reflected in the habits of the plants. For instance, in one of the climates where *Calanthe Masuca* is found in countless thousands the rains occur in the summer months of June, July and August. The plants complete their growth in the previous autumn, take a long rest and flower early in June, when the temperature falls 5° or 6° lower than for April and May, and within a few degrees of the temperature of the winter months. My impression is that the period of greatest root activity is during the warm months of April and May, so far as the old bulbs are concerned. But on the opposite side of the mountain range, where the plant is also found less plentifully, the climate is utterly different. June to October are much the warmest and also the driest months, November and April the periods of greatest rains. And so it varies in most tropical regions, and this will often account for the diverse behavior of plants received from Brazil or Venezuela, or Columbia, or where not, of whose climates we know

absolutely nothing. The same species in variety may inhabit totally different climates, and arrived here it may inhabit something entirely different from any of them. This gives rise to theories or guesses new and old, each one just about as valuable as the other so long as the truth is unknown as to each species and its geographical varieties. To gardeners and their experiments all or nearly all the credit is due for successful cultivation.

The orchids in the following list may be hung beneath such trees as the white pine or the ginkgo rather than those of very dense shade; except such pot orchids as some of the cypripediums, thunias, peristeria and *Anguloa Clowesii*—terrestrial, often thin leaved, sometimes woodland growths, whose foliage seems to easily suffer during dry winds. The others will not only do very well outside from New Jersey southwards, but all I mention will flower, and some few of them will grow. As a rule, however, growth requires more decided heat measures than our climate affords, but for such orchids as *Calanthe Masuca*, the reduction of temperature with enough moisture would be just the thing, provided of course you could be sure of your variety. *Calanthe Masuca* is not a very common orchid in cultivation.

Erides crassifolium is not very common either, but in color it is striking, and in fragrance and size of flower it is altogether a fine orchid, not for the florist, but the fancier. *Æ. expansum* vars., *falcatum*, *Larpenæ*, *Lobbii* and various varieties of *Æ. virens* flower well during June. For the best growth they require an abundance of water at this season, and it is because this cannot be supplied at a high enough temperature without great trouble, and also with risk of checks to the root action from cold spells, that the growth is best made inside. Most gardeners suffocate the root action of *erides*.

Cypripedium Stoneii in varieties, and most of the concolor, *niveum* and *Godefroyæ* varieties flower during June, together with an accumulating host of the *barbatum* and other types which now demand dictionaries all to themselves, and which are for faddists to collect and florists to select. *Dendrobium thrysi-florum*, *Dearii* and *calceolare* may usually be depended upon where there are enough plants. *Thunia Marshallii gigantea* is a good thing which flowers during June.

Vandas and *renantheras* are also often in force in private collections. *Renanthera coccinea* is not difficult in a warm house near the glass, and it is fine. It has naturalized at Rio Janeiro I understand, and can be had from there.

Cattleya Gaskelliana and *C. gigas* in varieties will flower capably outdoors, and as their growth is completed they will do as well as inside in all except rooting perhaps, and this proceeds none too

well inside after a few years. I remember one season years ago when there was a flood of rain in August that plants of *C. gigas* made more young roots outdoors in a week than they had made in the other 51 weeks of the year. These were old plants on blocks. If anybody can give the monthly climatology of this fine orchid with any completeness at all won't they please oblige the readers of the *FLORIST*? *Cattleya marginata*, *M. scia* and *Mendelii* often flower during June in some quantity, either from difference of variety, difference in time of importation, treatment and like causes. *Laelia elegans* is not only one of the best of South American orchids, but also one of the best to get along with. It can be cut up and leads grown from a bulb or two with as much facility as *Cattleya Harrisonii*, of which I have spoken before. Of course it requires attention, but no more, nor as much, as cyripedium seedlings.

Oncidium Lanceanum is equally facile, and it will not only flower but grow and root outside very well indeed. *Miltonia vexillaria* and *M. Roezlii*, especially in their white varieties, are fine orchids. They are neither quite safe in the house nor perfectly happy out of it. But both, especially *Roezlii*, can be increased. Fresh importations are best.

Peristeria elata, *Stanbopea grandiflora*, *Anguloa Clowesii* and brassias may be increased indefinitely, but *Epidendrum vitellinum* will bear freshly importing now and again. JAMES MACPHERSON.

Trenton, N. J.



Carnation Notes.

Very hot weather for carnations these last four days, ninety-eight in the shade outside. Keep the sprinkler going all the time; it will not spoil the flowers near as much as to omit the spraying, as the sun burns them worse when they are dry than when wet, and if there is not a great amount of moisture the red spider will get away with your stock. Pick the flowers early in the morning if you wish them to keep well. Give the plants a frequent dose of manure water, avoiding nitrate of soda at this season; cow manure is best at present; the sun will attend to the stimulating or quickening process.

Turn over the soil to be used next fall; do this often and well, and do not make the pile high or let it get too dry; if rain is lacking turn on the hose. If you have not mixed the manure with the soil do so now; use lots of it; any good, well rotted manure will do, but cow manure is best for light soils, not necessarily so for heavy loam. I would advise every grower to save a part of the new soil to test with chemical manures; do not mix stable manure with this. If we can find the proper formula of chemicals that will produce the same results as stable manures it will be a great saving. I shall give this matter a thorough test this coming season, and I advise every grower to do the same; it makes a little trouble, but will pay in the end.

CHARLES H. ALLEN.

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Coal Ashes and Roses.

On page 1062 of your issue of the *AMERICAN FLORIST* for May 18, Mr. John N. May, in answer to a correspondent, has this to say: "Your correspondent speaks of having used coal ashes to some extent; every once in a while somebody claims there is a benefit in using them. Personally I have never found it so; on the contrary coal ashes in any form near the roots of roses are positively injurious in my experience." This is the first time that I have ever heard that coal ashes were positively injurious to vegetation. If it is not asking too much I would like Mr. May to state for the benefit of the undersigned (and there is no doubt but that others connected with horticulture would also like to know positively), what there is in coal ashes to make them injurious to the roots of plants. Mr. May makes a good point certainly when he says: "Anyone wishing to test this to his own satisfaction can easily do so by crocking a few pots with cinders that have not been washed and an equal number with clean broken potsherds. Pot vigorous plants of equal size into each, treat both alike, and in a short time the difference in the plants will tell the tale for itself. Three months after those in the cinder drained pots may do for the fire," at least this has been the experience of Mr. May. I know of establishments that grow roses for cut flowers, and they have generally used coal ashes for drainage during the time they are growing in pots, not because they thought them better than potsherds, but because they were more convenient to use; and to my own certain knowledge, instead of the plants being fit for the rubbish pile or "the fire" as Mr. May puts it, they were planted in the regular way on tables and furnished very satisfactory results during the winter. Of course, they might not have satisfied Mr. May, who everyone will acknowledge is certainly an authority on the growing of roses. I know from my own personal knowledge that a house planted with American Beauty had been grown in their early stages in pots drained with coal ashes, and instead of the plants being ready for the rubbish heap, at the end of the three months they yielded at the rate of fourteen dollars per running foot, in a house over 100 feet long. That, of course, might not be considered a paying crop to those who grow for the New York market, but it is certainly considered a profitable crop to grow in this neighborhood; and I also know that there are quite a number of crops that do not have coal ashes used as drainage, or used in any way in connection with the soil in which the plants are grown, that do not produce that amount of money per running foot. I also know of some growers who have a clayey tenacious soil, where sand is at a very large premium, who think they have to use coal ashes in order to make the soil sufficiently porous for the roses to grow in, and they grow fairly good roses, too.

It may be that in a soil peculiar to the district where Mr. May is located some

chemical action takes place in his soil through the application of coal ashes, different from the effect upon some other soils.

According to an analysis I have read, "Coal ashes contains a trace of potash and some lime. They have no fertilizing action, but from their mechanical effect may be of slight service on stiff clay soils, on reclaimed bogs, or on soils rich in humus." But Mr. May's account of them as being absolutely an injury to plant life is the first time on record, I think, that has ever been made public; and I would like to have further information on this subject, for it is a very important one to me, having used coal ashes quite frequently for the last four or five years; and not noticing any deleterious effects it may be that I am not sufficiently versed in plant life to be able to determine whether a rose plant is fit for the fire or whether it can with safety be planted with the expectation of getting from it a crop of flowers.

My object in writing this is to get at the truth of the matter, and if some expert will please state the facts of the case as he knows them, in addition to what Mr. May will please tell us, all will be adding to the knowledge which we are all seeking for, that of being able to grow our plants *correctly*, and of course, to the highest state of perfection; and to get them to produce the largest amount possible from a given space. E. RAWLINGS.

Herbaceous Plant Notes.

Aquilegia chrysantha, the golden spurred columbine, is in bloom now. A large deep flower with very slender long spurs, it is truly one of the very best of the family, and no collection should be without it. The outer sepals are of a light primrose yellow in the true type, while the petals are deep canary yellow. The flower stems are profusely branched, more so than in any other variety that I know, and consequently flowers are produced more freely and for a longer period, lasting under favorable circumstances almost into the middle of September. It also grows higher, without being lanky, than most aquilegias, attaining a height of 3 to 4 feet.

Aquilegia olympica, a large spready flowering blue variety with a white center, is also blooming now and will last well into July; it grows only 1½ feet high and is a splendid variety.

Aquilegia canadensis, another slender long spurred variety, is yellow combined with bright red, and on account of the fine coloring and size of flowers should not be omitted from any collection, although we can find it in the woods growing wild in any part of the northern states. The flowers are very showy if planted either alone or mixed with others of the same family; it remains in perfection from May to July, and its season may be prolonged by planting in shady places. It is 1 to 2 feet high.

Heuchera sanguinea I should have mentioned in May, for it usually begins to bloom then, but this year, on account of the severe frosts in that month, the first flower spikes were frozen when almost ready to bloom, and in going over the herbaceous ground I failed to notice it until now, when another crop of flower spikes has made an appearance, and some of them are opening. It is a handsome and very hardy plant, with a neat compact habit, sending up its flower stems continuously until late in the fall. It is not an old plant, and therefor not generally known yet, but can be recommended



FLORAL ARRANGEMENT SENT TO THE FUNERAL OF THE LATE GUSTAV MESSEBERG
BY THE NEW YORK FLORIST'S CLUB.

to all. The flowers are deep blood red, somewhat funnel shaped, borne on long slender upright many-flowered panicles, and last well after being cut. The leaves are roundish cordate, slightly lobed at different places; height 10 to 18 inches. This plant will stand our hottest summer sun without injury, and also our coldest winters without protection of any sort.

Reseda glauca, a hardy herbaceous *reseda*, will be admired if planted in close patches. The flowers are of the same shape and color as in the well known *mignonette*, but smaller and perhaps a little more pure white in them; they are closely arranged on a very thin wiry stem, which continues to flower from the bottom to the tip as in all *resedas*, and blooms all summer; the foliage is narrow and fine, of a bluish green. Height 6 to 8 inches, likes the full sun at all times.

Armeria maritima, syn. *vulgaris*, the sea pink, in bloom now, will give general satisfaction as a border plant or when used for edging; the flowers are produced

continuously from now to September in round little heads, rosy pink in color, and although a very old fashioned plant it is very desirable; height from 6 to 9 inches.

Cytisus scoparius, the common broom, is not an herbaceous plant, but we have it in the border and like it there. The bright yellow flowers come solitary from the axils of the leaves on last year's growth, and a few specimens will make a grand show while the flowers last, which is from spring to July. In time it would form a bush of considerable size, but may be kept in bounds by pruning down after flowering each year.

Geranium pratense will bloom from now to September, and deserves a place in the collection; the flowers are large, almost blue in color, and the leaves are deeply serrated and parted into linear lobes; grows to a height of 2 feet.

Aster alpinus is flowering well, and is undoubtedly a most attractive species of low and compact growth, attaining a height of only 6 to 9 inches. We do not

see it very often in collections, but it surely deserves to be planted in quantity. The color of the flowers is of a pleasing light shade of purple, borne singly on erect stout stems, and the individual blooms measure from 1½ to 2 inches across. A useful plant for cutting, lasting until July or August.

Lychnis alpina, an alpine dwarf species, does best with us in a partially shaded place, otherwise our burning sun will scorch the flowers soon after coming out. The pretty little flowers are produced in close compact heads, and are of a light shade of rosy pink, very attractive and freely produced during spring and summer. The plant only grows to a height of 6 inches, and is rather rare in this country.

Lychnis alpestris is another alpine species with neat pure white star-like flowers, very freely produced on wiry branchy stems, and is undoubtedly very desirable in every respect. It grows 6 to 9 inches high and is a good thing for either the rockery or the border, but it also should be protected from the scorching mid-day's sun. Not a very common plant, although such a prolific bloomer should find place in every collection.

Hemerocallis flava is making a splendid show just now, and is the most useful of the tribe for cutting, the buds opening in succession after being cut and placed in water, where it may be kept fresh for over a week. The flowers are as large as those of *Lilium candidum*, only a trifle deeper and more funnel shaped; the color is a pale delicate lemon, very fragrant and pleasing. All *hemerocallis* require transplanting every 2 or 3 years in order to flower well; if left too long in one place they get too much crowded and the center of the plant will grow weaker, not deriving nourishment enough in this crowded state to produce flower stems. Blooms from latter part of May until July, attaining a height of 2 to 2½ feet.

Linaria dalmatica is a vigorous growing and very large flowering variety; the flowers are nearly as large as a snapdragon, of a fine yellow color. The spikes are long and branched, with the flowers distributed loosely along the stem, which is rather an advantage, the spaces being filled in with narrow lanceolate leaves of a glaucous hue. A very fine form, blooming all summer, height 2 or even 3 feet in some cases. It does well also in very dry situations, but without water the plant does not attain either the usual height or the size of the flowers. *Lychnis viscaria* fl. pl. shows its deep rosy flowers now; they are produced on erect many flowered panicles, and are extensively used for cutting, being a very prolific bloomer and lasting well after being cut. This old and reliable plant is worthy of cultivation in the border or for edging large beds, blooming until July; height 12 to 18 inches.

Helenium Hoopesii, an early flowering robust growing kind, with deep orange daisy-like flowers 2½ inches across grows 2 to 2½ feet high and is very floriferous, continuing to bloom during summer, a showy perennial and good for cutting.

Ononis rotundifolia is an unknown plant to the majority of florists, but nevertheless a very ornamental one; even when not in bloom it produces a striking effect, the foliage resembling a small roundish mahonia leaf, but not with the same lustre. From the axils of the rather glaucous leaves the pea shaped flowers are produced in threes for a long period in summer, and are of a very handsome bright rose color. The habit of the plant is somewhat shrubby, forming a small

roundish bush; it will stand our hardest winters without any protection, and should be planted in an open position, fully exposed to the sun, if compact specimens are wanted. Height one foot.

Anchusas are probably only wanted for the shrubberies or in a distant or back part of the border. The pretty forget-me-not-like flowers of such a lovely blue color are produced in such abundance, but the plant is a little coarse and tall, and as soon as the seeds are produced, although flowering goes on, it gets unsightly. When first coming in bloom it is very fine for a month or so and may be cut down after that. A clump or two should be in every collection. Height $2\frac{1}{2}$ to 3 feet.

Dianthus cæsius, the Cheddar pink, is now beginning to bloom, such a delicate pale rose color and very fragrant, of good size, the petals deeply fringed at the edges. It is good in any situation and will stand our severest hot summer weather. The leaves are small and fine, very glaucous, and the plant grows compact and close to the ground; height about 6 inches.

In writing down these notes I do not follow any alphabetical arrangement, merely endeavoring to give the correct time of flowering in the northern states and the height of growth, including the height of the flower stems, together with a short description. By going over the herbaceous ground and the borders I pick out the species at random as they come into flower, and make a note of the most desirable varieties. In different parts of the United States the flowering time of some kinds may differ a little, being a few days or even weeks earlier or later than with us, but this will only occur in few cases; the same holds good as to the length of flowering time.

Rochester, N. Y. J. B. KELLER.

German Iris.

Iris germanica in its countless varieties and the different combinations of shades and colors are at their best in the month of June, and a large patch of them planted together is a lovely sight; the coloring is of such a delicate nature in most instances that an artist is puzzled to reproduce the same tints and shades on canvas, and we are unable to give a correct description. They are the favorite flower with most all the fanciers of an herbaceous garden, and every section of the country has its own special varieties. I often wondered that such a diversity of colors should exist without the least effort at hybridization, for very few seedlings have been raised within the last fifty years, and after all we may find an entirely new shade, distinct from anything we ever saw before, planted in the rudely made flower garden surrounding an old fashioned farm house, where probably the great-grandmother of the present occupant planted it and where it has brought forth quantities of great spikes of flowers year after year. This is just what the German iris likes; the longer they are left undisturbed the better they will flower. Flower stems grow taller and stouter, and instead of producing 3 or 4 flowers on a stem when newly transplanted they will perfect a dozen or more of them on each spike on old well established clumps.

I have been asked for a description of colors and varieties, but must say that it would take up too much space should I undertake to enumerate one-fourth of the varieties known to the trade, so I will only mention a few distinct kinds.

Imogene Ware, white, faintly tinged lavender on the tips of the falls or outer petals. L'Avenir, a delicate shade of

lavender, the falls and the tips of a darker tint. Falcata, yellow, tinged and veined purple in the falls. Atropurpurea, probably the best dark variety in existence, deep velvety purple, a grand large flower. Celeste, delicate light lavender blue, extra. Jordain, deep purple shaded with rose. Pancrea, yellowish buff, reddish purple veined falls. Reticulata superba, center lavender, falls purple. Sampson, rich golden yellow, veined crimson maroon in the falls. Florentina, white ground, tinged blue and yellow. Arlequine Milanaise, white, blotched blue and rose. Deloismison, lavender and purple striped. Liabaud, yellow and maroon. Mme. Chereau, white, feathery edge of violet, with undulated falls. J. B. KELLER.

Rochester, N. Y.

The English Violet Again.

A writer in a recent issue of the *FLORIST* asks the question is there a double Russian violet differing from the old double English violet? I answer emphatically no, and regard the so-called Russian violet as another old plant introduced under a new name, defying any botanist or florist to tell one from the other when grown side by side.

I have been familiar with the English double violet for more than fifty years; have seen it growing where it may still be found, generally much neglected, in old gardens in the Atlantic States, and also around the old stations of the Hudson's Bay Company in the northwest, as well as in the gardens of Europe, and as it is a distinct variety of strong individuality I have no hesitation in saying in all those different climates and situations it is identical. Further, I obtained some plants of a so-called violet of new introduction heralded as the double Russian, but soon made up my mind that I had been sold again and at once recognized an old friend under a new name. I do not say this violet is not Russian as well; it is doubtless found all over Europe, wherever it originated, but more than likely the original stock came from England to America. Let us have this point settled; if the Russian is a new violet will some expert show us wherein it differs from the double English we have had in the country for more than fifty years?

AN OLD TIMER.

Washington, D. C.

The next few months the store florists expect but little trade, and that principally in the way of wedding decorations and funeral designs. On an average May was a fair month; many of the florists had sufficient work to keep them moderately busy. Orders for commencement decorations and flowers for the same were numerous, but most of them were as cheap as possible. Many are complaining of keen competition and the cut in rates.

Flowers of all kinds are in great quantity, and generally speaking, of very fair quality. Roses are plentiful, and are bringing from 50 cents to \$3 per dozen. There is a demand for good roses, and they readily bring \$3. Carnations are fairly good, and retail for 25 cents per dozen. Sweet peas are in abundance, but owing to the very hot weather of the past week they are deteriorating in quality, and in price as well. *Paonias* have been very good and in great quantity; demand fair, prevailing price \$1.50 per dozen. Irises have been unusually fine this spring, though somewhat late in coming in, owing to the cold, wet weather which prevailed the greater part of May. The demand for them was only fair. Owing to

their short life they are losing in popularity.

The funeral services of the late Secretary Gresham were held in the east room of the Executive Mansion Wednesday morning, 29th ult., at 10 o'clock. The room was most elaborately decorated for the solemn occasion. The national colors were conspicuous at all points. The windows were curtained with the stars and stripes, and the large mirrors and mantels were hidden by immense flags hanging from the ceiling to the floor. The entire south end of the room was a forest of palms and potted plants; around the sides were tall palms and foliage plants backed by the bright hues of the national flag. The floral offering of the President and Mrs. Cleveland was a large wreath of orchids, white roses, rhododendrons and maiden-hair ferns, tied with broad satin ribbon. The wreath sent by the diplomatic corps consisted of orchids, lilies of the valley, longiflorum, carnations and American Beauty roses, tied with wide white satin ribbon, on which was stamped in gold letters "From the Diplomatic Corps." Col. John M. and Mrs. Wilson sent a wreath of red roses. Chief Justice and Mrs. Fuller laid upon the bier two large sago palm leaves fastened with a bunch of violets and lily of the valley. From Gen'l Gresham's comrades of the Army of the Tennessee was received a large American flag, the emblem of the corps, constructed of immortelles. The Department of State sent a wreath of red and white roses, calla lilies and sago palm leaves, tied with purple satin ribbon. Secretary and Mrs. Carlisle sent a cluster of white roses and white lilies.

Decoration Day was commemorated by citizens and veterans, and by the patriotic women of Washington by affectionate and impressive services. The national cemeteries which belt the capitol, in which so many thousands of the Nation's dead are buried, were each visited by organizations of ladies, and also by friends to decorate the graves. The observances at Arlington were naturally the center of attraction, because of the thousands of soldiers whose last earthly homes are within this reservation. Wagon loads of flowers were carried from the different florists and from the government gardens. Not a single soldier's mound was left without a bunch of flowers and a small flag. The tomb of the unknown was beautifully draped with an American flag. On the front of the tomb was a magnificent wreath of roses sent by Mrs. Cleveland; each corner held another lovely wreath, and the upright canon supported additional ones. Around the mound in letters of flowers were the words "Our country's unknown dead."

The graves of the more illustrious soldiers, like Sheridan, Admiral Porter and others were honored with set pieces and military emblems. At Sheridan's monument were magnificent remembrances. Resting at the foot of the mound was an exquisite wreath of calla lilies and pink roses. To the left was a pillow of white roses and carnations with crossed swords and stars of purple immortelles, and the letters "Post 5, Chicago," in the same flowers. Near this was a magnificent floral G. A. R. badge from "Phil Sheridan Post No. 14." The eagle above and the stars below were of golden immortelles, the crossed canons of purple immortelles, while the flags were composed of red, white and blue immortelles. To the right of the mound was a guidon of red, white and blue immortelles. Back of this was the tribute from the Legion of Loyal Women, a saddle of red roses with stir-



FLOWERS AT THE GRAVE OF THE LATE GUSTAV MESSEBERG

rupes of gold immortelles; Gen. Rufus Ingalls' grave was remembered with a superb wreath of roses that covered the entire mound. Admiral Porter's grave bore a ship composed of cape flowers and immortelles, also an anchor of white roses and carnations. The tomb of Gen. John A. Logan in the Soldiers' Home Cemetery was elaborately decorated. The first and most conspicuous was a large American flag composed of immortelles, roses and carnations. The flag was raised on wires two feet high from a groundwork of flowers, containing an American shield in immortelles, beneath which was the motto in purple letters "Our Hero." The second was a large wreath of ivy leaves tied with violets and crossed palms; also two handsome baskets of roses and a wreath of immortelles embracing a star in the national colors. A circular piece in blue immortelles with the figures 103 in white and the inscription "Love and reverence of Logan, from 103." Logan Guard of Honor sent a scroll of white roses and immortelles five feet high. G. A. R. sent a wreath of roses and daisies. Logan Camp No. 2, S. of V., a Maltese cross of La France and Jack roses. Mrs. Logan's tribute consisted of a large wreath of purple immortelles, tied with broad purple ribbon and a bunch of thistle balls, another handsome wreath composed entirely of laurel leaves and flowers tied with a bunch of thistle balls rested near the tomb. A large handsome floral piece represented the badge of the Legion of Loyal Women in immortelles, with the letters L. L. W. across the crest, from the sides of which rose a large crescent shaped wreath in yellow immortelles. Another handsome wreath was composed of purple immortelles and beads of wheat. Bunches of roses and callas in vases completed the decorations.

REYNOLDS.

Flowers at the Funeral of G. Messeberg.

Our picture will convey some idea of the number and beauty of the floral designs sent to the funeral of the late Gustav Messeberg at Flatbush, N. Y. A few of the larger pieces such as the standing

anchor from the New York Florists' Club and Gates Ajar from the Flatbush Bowling Club were contributed by organizations with whom the deceased affiliated, but a very large number of the tributes came from his business associates and friends, who although the event occurred on the day before Decoration Day, a most inopportune time for them, thus gave fresh proof of that strong bond of fellowship and sympathy which exists to such an extent among the craft wherever found and which no business demands or cares of whatever nature can ever pervert or extinguish.

New York.

A number of the large growers of cut flowers in the neighborhood of New York are contemplating joining forces and selling their entire product through their own management. Their object as given out by them is "to make a more uniform price for their product, to protect the retail stores by selling to all buyers alike at one uniform price for the same quality of goods and to put an end to the competition between the commission men." Steps have been taken to incorporate the company, and the entire stock is said to have been already subscribed for. The scheme has been worked industriously by its promoters, but with such secrecy that it was not generally known until recently, and details are ascertained with difficulty, but the plans so far as outlined comprise the securing of a large store where the products of the stockholders and others who agree to consign to them will be disposed of at 10% commission. As a bond to hold the consignors from making any other disposition of their goods it is proposed that each be required to make a deposit at the rate of two cents per square foot of glass, the same to be forfeited to the company if the contract is broken within one year. Those who so prefer may pay this assessment in the form of 10% extra commission on their goods. It is the purpose to sell on a mutual basis. Goods are to be graded and those of even quality are to be sold

at uniform price, the results of sales in each class to be apportioned pro rata according to each grower's output, and the loss on goods left unsold to be divided in like manner.

This movement, engineered by the largest growers and contemplating, as it does, a revolution in the methods of marketing which have prevailed in this the greatest cut flower market in the country for nearly a quarter of a century, has occasioned much stir and comment, and is important enough to warrant a thoughtful consideration of the causes leading up to it and of its probable effect upon existing institutions should it go into operation. New York is the only city in the country which can boast any considerable number of flower growers who have amassed a fortune in their business; it is also well to remember that it is the only market in the country where the middlemen, whose overthrow is now sought, have controlled the great bulk of the output uninterruptedly. The complaint against the fierce competition between the commission dealers is well founded, and the demoralizing tendency of the conditions existing in recent years cannot be questioned. Still, looking the matter squarely in the face without prejudice, it is impossible to escape the conclusion that the large growers, with a few exceptions, are largely responsible for these conditions. With demands, threats and browbeating they have played the commission men against one another and haunted them until life became a burden. Attention has been called in these columns repeatedly to the injurious effects of this policy, for which the greediness of growers and the timidity of commission men are alike responsible, and that the tension would soon become unbearable and the bubble burst has been apparent to anyone who followed the drift. Now this big combine is under way, and included in its ranks are the very elements which have sown the seeds of mischief in the past. That they are now converted and will hereafter accept without contention the dictum of any individual or individuals as to the grade of their stock and what they shall receive for it, and bow meekly for the first time in their lives when their goods are reported unsold is a regeneration almost beyond belief, and if the new institution can conceive and carry out any plan whereby these elements can be bottled up effectually for a year they will confer an inestimable benefit on every branch of the business and be entitled to gratitude accordingly. It is safe to predict that they will encounter many a tough problem, but it is not our province to throw cold water upon any scheme which has for its avowed purpose the cure or abatement of acknowledged evils. As to the commission business, a temporary shaking up is the worst it need look for, and there is good reason to believe that the upheaval will result to the ultimate advantage of this department of the business. The proposed policy of the destruction of surplus stock and consequent annihilation of the curbstone Greek comes too late in the day to ever go, and cannot be taken seriously by any right minded person. If the surplus is to be destroyed the place to do it is at the greenhouses before it has impoverished the plants, and thus avoiding cost of handling and the injurious effect of its presence on the market, a course which has been practicable at any time, provided the growers saw fit to put it into execution.

The cut flower market is very flat at present. The extremely hot weather has

had a bad effect on the quality of the stock, which is also very abundant, and the retailers complain that the summer dullness seems to have set in already. For weddings, steamer departures and such occasions orders are unusually light. The big overstock moves with great difficulty. The Greeks even are not looking for anything and wait to be coaxed before exhibiting an interest. Sweet peas are among the most difficult stock to handle. The weather is very unfavorable for them, and they are in many cases worthless when received by the wholesalers. The failure of E. R. Fry caught some of the wholesalers for considerable amounts.

Colgate & Co. have had boxes of plants placed in over one hundred windows of their factory in Jersey City. Their avowed object is to cultivate a greater love for plants and to encourage their more general use about factories and public buildings, rightly believing that the moral effect of flowers upon the workmen is good. This is a most commendable action and is well worthy of universal imitation.

Mr. W. L. Swan at Oyster Bay reports a most successful spring plant trade, and stock of many kinds has been completely exhausted. He believes in beautifying the grounds around commercial greenhouses and is making elaborate plans to delight his customers with a grand display this season. Between his foreman, Mr. Jas. Clark, and himself the greatest of mutual admiration exists and they have agreed to stick together while they live, which ought to be long if good nature lengthens life.

The 34th street market association held a special meeting on June 1 at which 10% dividend was declared. It was voted to add to the by-laws a clause prohibiting anyone except a regular commission dealer from selling any stock except their own. Commission dealers are charged ten cents per foot extra rent and must take six or more feet of space.

On June 15 Mr. A. S. Burns will retire from the firm of Burns & Raynor and give his attention to his interests at Woodside. Mr. John Raynor will continue the business.

Boston.

Everybody is smiling and happy over the results of Memorial Day trade. Of the big holidays this is the one over which the least fuss is made, but it is more than likely that if the cut flower sales for this occasion could be computed and compared with Christmas and Easter it would be found that Memorial Day exceeds either of them in amount. Then the sort of flowers required is such as yields a good profit, makes a show quickly and requires no heavy outlay in advance. Those having longiflorum lilies and astilbe made a good hit this year, for lilies brought \$12 a hundred and astilbe \$2 to \$3, per ces which compare favorably with those at Easter, and very little coal consumed in the growing. The new dense flowering astilbe took the lead of the old fashioned variety and brought about one-third more. Carnations of the ordinary quality were in fair supply, the outside price being two cents, with the red varieties in largest demand. Extra fancy sorts sold from \$3 to \$5 per hundred in limited quantities. Roses were well cleaned up at satisfactory prices all round. Designs of dried and artificial flowers did not sell as well as heretofore, although some of the store men displayed much taste and ingenuity in the construction of these devices.



SPIRÆA ASTILBOIDES FLORIBUNDA.

Mr. Zirngibel has been experimenting with carnation blooms, with a view to preserving them as long as possible after cutting. He states that the addition of nitrate of soda to the water in the vases has a decidedly favorable effect, blooms after three days of this treatment having increased in size and brilliancy of color, and brought one dollar per hundred more than those not so treated.

T. C. Thurlow exhibited at Horticultural Hall on June 1 branches of a new and very beautiful decorative shrub, *Symplocos japonica*. The flowers are fine and of purest white, and would no doubt be found useful for florists' use.

N. F. McCarthy finds the auction business booming. Three sales a week, each lasting seven hours is the way it has been going. Ed. Hatch will sell for the balance of the season in the old Park House on Bosworth street.

Ludwig Schiller is in town in the interest of Chas. Schwake, making the acquaintance of the buyers, and laying a foundation for next season's campaign.

The stock in greenhouses of Anthony McLaren was sold at auction by Ed. Hatch on June 3 to make room for the new parkway.

Spiræa Astilhoides Floribunda.

A sport from the well known *astilboides* considerably larger and more floriferous than the type. The accompanying illustration is from a photograph taken in Holland last spring. It does not do justice to the variety, as the plant was not fully in flower when the photograph was taken. It is claimed that this new sport greatly surpasses as a pot plant the now very popular *Spiræa compacta multiflora* or Double *Spiræa* as it is vulgarly called,

and in the dearth of novelties of merit for the Easter trade which exists at present there ought to be a place for the new comer. W.

Chicago.

At a meeting held this week several aldermen and a number of prominent citizens discussed the Lake Front Park scheme. D. H. Burnham exhibited a plan, which was very well received. In the center of the made ground was to be erected an art building, to the south was laid out the site for the Crerar library or some similar building. North of the art building Mr. Burnham's plan contemplates the erection of a music hall. On farther to the north was a big campus for the use of the militia and the site of an immense armory, as proposed in the bill now pending before the legislature. The extreme southern part of the park was to be taken up with a small exposition building. All through the rest of the area were dotted flower beds, play-grounds for the children, drives and long avenues lined with shade trees. To the east of the park was to be erected a fountain, probably a bronze or marble reproduction of the famous MacMonnies fountain at the fair. The filling-in of the lake will make a park of about 200 acres. A citizen's committee, consisting of Lyman J. Gage, H. N. Higginbotham, A. H. Revell, F. W. Peck and W. J. Chalmers, is pledged to work in the matter, and there seems no reasonable doubt of the final success of the plan.

We have undergone another of the lightning changes for which Chicago weather is noted, and after broiling tropically for six days are now enjoying the temperature of October. Naturally flowers have suffered greatly. All through the hot days roses and carnations came



A BASKET OF FLOWERS

in by the bushel, and the quality deteriorated greatly. At the present time there are no good roses, only some are worse than others. They are small, off-colored and often mildewed. There is no great demand, but still it is hard to fill orders if flowers of good quality are wanted. Beauties are dull in color, Mermet washed out and Bridesmaids mildewed. Perhaps La France and Perles are about the best, and there will soon be a lot of these cut from young stock. Ordinary roses sell at 2 and 3 cents; Beauties 8 to 25 with few at the latter figure.

Carnations are a flood, and there is no sale for them. They are usually small, but some disbudded stock, fine for the season, is to be seen; 50 to 75 cents is the usual price, though some extra fancy flowers sell at \$1 and \$1.50, but the latter price is unusual. Lots of one thousand are sold for \$2 to \$4, and we did hear of some being sold at 75 cents a 1,000; probably a man who wanted ten thousand in a lot could get them at this figure.

In miscellaneous stock coreopsis is noted at 75 cents to \$1 per 100, and gladiolus at \$8. Sweet peas suffered severely from the heat, and many are rather short-stemmed; they are worth 35 cents. All greens are plentiful. Business is generally quiet; though most of the out-of-town shipping trade is for commencements there seems little doing in this line in Chicago.

The wife of John Turner of Morgan Park died suddenly the early part of the week.

T. J. Corbrey and family have returned

from California, where they have been making a prolonged stay.

At Niles Center Blameuser Bros. are rebuilding three houses 18x120 and are building a new propagating house 9x120. Adam Harrer is building two new houses 20x125.

At Morton Grove Poehlman Bros. are building a range of nine new houses each 20x140.

Recent visitors: P. J. A. Berckmans, Jr., Augusta, Ga.; A. Dimmock, representing F. Sander & Co., St. Albans, England.

A Basket of Flowers.

The chief value of our illustration lies in the fact in the basket represented use was made of a flower not new, but whose value in fresh cut condition is practically unknown to city florists. The little rhodanthe sold and used so extensively in dried flower work is exceedingly dainty when fresh cut and with its little gracefully drooping buds of white or pink and soft green foliage may be used without stint in connection with the choicest material. For funeral design work the white variety is especially useful. A corner in every florist's place should be devoted to this little gem. The basket was made by George Stumpp, New York.

LINCOLN, CAL.—Chas. M. Silva of the firm of C. M. Silva & Son died last winter, aged 71. The firm will be carried on under the same name by the surviving partner and the estate of C. M. Silva.

Buffalo,

Just as I am penning these words a gentle rain is falling, but not enough to make even a butterfly seek shelter. Since the snow gradually melted away there has been hardly one inch of rain on this arid plain. It is getting serious. Lake Erie is not likely to dry up for a few months, so the city florist is all right, but in surrounding villages where wells are the source of supply there is great trouble and expense to keep the plants alive. Between an abnormally high temperature and want of moisture we are not feeling as good tempered as is our wont. Flowers of all kinds have been rather plentiful for the past week, but not to any great excess.

Decoration Day was a great day. The demand for flowers exceeded all previous experience on that occasion; mostly a cheap article was wanted, but the aggregate of business was large. The plant men are now in the midst of their rush. Many years of experience has taught customers as well as growers that not till the first of June are tender plants safe, and then when it comes it comes with a bewildering rush. From the present outlook the plant trade will exceed all former records.

Our park commissioners asked for, and got with the greatest good will, an appropriation of \$10,000 to erect a few greenhouses for the purpose of raising plants to adorn the parks. This amount sounds very small for a city of our size, but more will no doubt follow. The pity is that our very worthy superintendent, Wm. McMillan, did not ask for this 15 years ago, for he could have had it and treble the amount.

Mr. Gabrielson, who has been in the employ of Joseph H. Rehstock for 6 or 7 years, lately as bookkeeper, disappeared about three weeks ago, leaving no word or trace of his intentions. Everything is all right, simply Mr. G. has vanished and not a soul here can say where he is. Mr. Rehstock will be relieved in mind, as we all will, should any reader of this have the good fortune to run across Mr. Gabrielson in the flesh and well. W. S.

Cincinnati.

The unusual hot and dry weather during the past week has interfered materially both with the sale of bedding plants and with the planting of beds throughout the city. Yet the market florists seem to be busy, and still they complain of the dullness of spring trade. As some of the men remarked, the people seem to have no money for flowers. Geraniums in 4-inch pots are selling for \$1 to \$1.50 per dozen; salvia and heliotrope in 3-inch pots 75 cents to \$1; Phlox Drummondii and verbenas in 2 and 3 inch pots 75 cents to \$1; petunias of good strains 75 cents to \$1; cannas in 4 inch pots 25 cents each; Crozy 35 to 50 according to size; roses from 25 to 75 cents each, according to variety, in pots from 3 to 5 inches.

The cut flower trade has been good during the past week. Flowers of all kinds are plentiful and the quality is good. Roses of all kinds are abundant. Very fine white pæonies are now in, they bring a better price than the red.

The wedding season is at its height. They commenced on the morning of June 1 and have kept up a steady stream ever since. Weddings without flowers would never do, hence the florists have about all they can attend to. There have been no notably large decorations and no occasions worthy of special description, but there has been a big consumption of flow-



THE SOCIETY



AMERICAN FLORISTS

—What we have long needed.—

THE Florists of the United States have for a long time felt the necessity of an organization, national in character, honest and progressive in purpose. Such an organization is now an accomplished fact.

Who are Interested?—The 15,000 people directly and indirectly engaged in the business, are certainly interested in a Society that will study and further their general good; the amateur, lady or gentleman; the lover of flowers in town or country; the gentleman's gardener, will all be interested in our Society, as the whole range of horticulture will be reviewed from year to year, and gardening in all its phases will be discussed in a manner that can not fail to profit all.

Who will be Benefited.—Alike, the Florist, with his acres of glass, and his humbler brother, with a few hundred feet; the decorative florist and dealer in flowers; the manufacturer and dealer in supplies of all sorts; the greenhouse builder and heating apparatus manufacturer, and all those interested in floriculture, whether for pleasure or profit.

The Aim of the Society.—Is to lift up and carry forward all that tends to advance the growth of such a delightful occupation, to collect and diffuse from the best sources information that shall be beneficial to all its members, to care for and instruct all in the best modes of carrying on a successful business, to help those overtaken by misfortune and form a brotherhood worthy of the goddess Flora.

The Plan of Action.—Is to have a yearly meeting at one of the larger cities; in connection with these there will be an exhibition—at such meetings the business of the Society will be conducted, the transactions of the year previous will be presented, and the programme for the ensuing year laid down. The exhibitions will be entirely novel, and of such interest as will be worthy of the Society of American Florists. The desirability of forming either a Hort Fund or a Hort Insurance Company is generally conceded, and it will receive careful thought and prompt action on the part of the Society at its first annual meeting in Cincinnati.

PAGE 1

THE PROSPECTUS OF THE SOCIETY OF AMERICAN FLORISTS.

Practical Papers, short, concise and full of instruction will be read at the meetings, and printed with the reports of the Society each year. No new plant or flower, no device or invention of merit will go unrewarded. Medals and certificates will be given for deserving exhibits. The Society will take especial care to have everything reported in the best manner. The Constitution and By-Laws are in preparation, and will be presented at our first general meeting.

Action Taken.—At a meeting of representatives from eight different States, held in Chicago on June 19th, 1884, this Society was organized by the election of the following

OFFICERS.

- | | |
|-------------------------------------|--------------------------|
| JOHN THORPE, President, | Queens, N. Y. |
| J. M. JORDAN, First Vice-President, | St. Louis, Mo. |
| M. A. HUNT, Treasurer, | Wright's Grove, Chicago. |
| E. G. HILL, Secretary, | Richmond, Ind. |

EXECUTIVE COMMITTEE.

- | | | | |
|--------------------|------------------|----------------|-------------------|
| ROBT. S. BROWN, | Kansas City, Mo. | ROBT. CRAIG, | Philadelphia, Pa. |
| J. C. VAUGHAN, | Chicago, Ill. | ALFRED NEUNER, | Louisville, Ky. |
| ROBT. J. HALLIDAY, | Baltimore, Md. | ROBT. GEORGE, | Painesville, O. |
| B. P. CRITCHELL, | Cincinnati, O. | W. G. NEWETT, | Chicago, Ill. |
| HARRY SUNDERERUCH, | | | |
| Cincinnati, O. | | | |

VICE-PRESIDENTS.

- | | | | |
|-------------------|----------------|-----------------|-----------------------|
| ROBT. H. HEATH, | Canada West. | EDWIN LONSDALE, | Pennsylvania. |
| C. E. ALLEN, | Vermont. | ALEX. MURDOCH, | Pennsylvania. |
| LUTHER ARMSTRONG, | Missouri. | F. R. PIERSON, | New York. |
| A. BRACKENRIDGE, | Maryland. | R. MAITRE, | Louisiana. |
| WALTER COLES, | Delaware. | A. H. BUNDE, | Minnesota. |
| J. D. CARMODY, | Indiana. | GEO. F. LAMB, | North Carolina. |
| A. GONAGHUE, | Nabrask. | CARL JURGENS, | Rhode Island. |
| PETER HENDERSON, | Now Jersey. | W. R. SMITH, | Dist. Columbia. |
| FRANCIS MORAT, | Kentucky. | C. B. WHITNALL, | Wisconsin. |
| C. A. REESER, | Ohio. | O. F. DUE, | Salt Lake City, Utah. |
| MARCUS ELLIS, | New Hampshire. | J. C. VAUGHAN, | Illinois. |

Our First Meeting.—The first meeting will be held at Cincinnati, O., between the 12th and 25th of August, 1885. We can promise even at this early date a more numerous attendance than has ever been accorded to any similar organization.

Our plans are maturing for an exhibition, noble in its conception and differing in character from any before attempted. The interest already manifested by many of the members warrants this positive statement. A schedule of premiums with rules and regulations and a complete list of members to date will be ready early in January.

PAGE 2

ers for the past week, and there is more ahead. All dealers report increased trade for Memorial Day, some of them claiming a very large advance over former occasions. The absence of outdoor flowers was severely felt. It did not make much impression on the rose market, but it sent carnations a-booming. Carnations of all kinds have been and still continue to be of extra fine quality. Quite a number of growers are planting houses of chrysanthemums for cutting next fall, and from the present outlook there will be no scarcity of this popular flower.

The florists will have their annual outing at Woodsdale Park July 25.

Mr. and Mrs. Peterson had an accident last week which might have proved fatal. They were driving along the road when the horse took fright and ran away, throwing the occupants out on a stone pile and bruising them considerable.

Mr. Tom Hardesty has moved his store to the southeast corner of 4th and Walnut streets.

Mr. Geo. Corbett of College Hill has been on the sick list this week.

Last Monday and Tuesday the thermometer stood 100 in the shade. P.

Early History of the S. A. F.

We are indebted to Mr. A. Whitcomb, Lawrence, Kans., for a copy of the prospectus of the Society of American Flor-

rists, issued in September 1884. We present a reduced reproduction of its four pages herewith.

Mr. Whitcomb gives the following as a complete list of those present at the meeting for organization, held at the Sherman House, Chicago, June, 1884:

- J. M. Jordan, St. Louis, Mo.
 - Peter Henderson, Jersey City, N. J.
 - M. A. Hunt, Chicago.
 - Alexander Murdoch, Pittsburg.
 - H. H. Ritter, Dayton, O.
 - F. R. Pierson, Tarrytown, N. Y.
 - Jos. Heim, Jacksonville, Ill.
 - W. G. Newitt, Chicago.
 - Wm. H. Boomkamp, New York.
 - Geo. R. Mumma, Dayton, O.
 - J. D. Carmody, Evansville, Ind.
 - John Thorpe, Queens, N. Y.
 - E. G. Hill, Richmond, Ind.
 - H. W. Buckbee, Rockford, Ill.
 - Luther Armstrong, St. Louis.
 - Chas. A. Reeser, Springfield, O.
 - A. Whitcomb, Lawrence, Kans.
 - Robert George, Painesville, O.
 - Frank Huston, Chicago.
 - R. W. Coglan, Niles Centre, Ill.
 - J. C. Vaughan, Chicago.
- A total of 21 names.

EDITOR AMERICAN FLORIST: In the last number of your paper you have an article in regard to the preliminary work of organizing the Society of American Florists.

It would seem that correct information could be procured on this subject, as nearly all of the parties who were the active workers in organizing the society are still living, and active members of the S. A. F.

A correct record of the facts in regard to the preliminary work of organizing the society would be valuable at this time, and still more valuable in future.

It seems to be generally admitted that Messrs. John Thorpe and E. G. Hill were the first to suggest the idea of organizing a florists' society. Where or when the first steps were taken to organize the society I have never had up to the present any correct information. It was not at the meeting of the American Association of Nurserymen, Florists and Seedsmen held at Cleveland, Ohio, in June, 1883, because there was no such meeting held at Cleveland that year. The meeting of the association in 1886 was held at St. Louis. Mr. Coleman of St. Louis was president of the association in 1883. Mr. M. A. Hunt was elected president of the association for 1884, and presided at the meeting held in Chicago.

At the St. Louis meeting there was much dissatisfaction among the florists at the treatment accorded them by the association, very little time being given to subjects that they were interested in. One afternoon at the St. Louis meeting the members of the association were

Losses by Hail.—One of the first intentions of the Society of American Florists is to provide in the best manner an insurance against loss of glass by hail. To advise the best plans for this insurance it will be necessary that all information regarding losses by hail during the years '82, '83 and '84 be furnished the Secretary as soon as possible. We wish to investigate this thoroughly and ask our friends to report any losses and to state the NAME of the sufferer, DATE of occurrence, quantity and PER CENT. of glass broken. This is a matter of vital importance to the Society and a compliance with the above is urgently requested that the Society may have facts and data as a basis for action.

Who are Eligible.—All Florists, Gardeners, Seedsmen, Nurserymen, Superintendents of Parks, Manufacturers of Heating Apparatus, Greenhouse Builders and dealers in Florists' Supplies in the United States and Canada shall be eligible to membership in this Society."

The fact that the large membership here given of representative men of the trade is voluntary and received almost without effort, proves that with the extended circulation kindly given our announcement through the various trade journals and catalogues we shall procure for our next membership list, the name of nearly every man connected with our business. Your name should be sent to the Secretary, or to the Vice-President of your State, or other officer of the Society and the regular numbered receipt of the Treasurer will be sent. **LET US HEAR FROM YOU.**

Annual Subscription.—The annual subscription is \$2.00, entitling members to all the privileges of the Society. Most of our members so far, wishing to give the Society a good impetus in the shape of an incidental fund, have paid \$3.00 extra, making a subscription of \$5.00. We shall be glad of many other \$5.00 subscribers.

For all particulars address:

E. G. HILL, Sec'y.
Richmond, Ind.

LIST OF MEMBERS SUBSCRIBING \$6.00.

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|---------------------------------------|--|
| W. G. Newitt, - Chicago, Ill. | Frank Huston, - - Chicago, Ill. |
| Herman H. Ritter, - Dayton, Ohio, | R. W. Cogan, - - Niles Centre, Ill. |
| Peter Henderson, - Jersey City, N. J. | J. C. Vaughan, - - Chicago, Ill. |
| J. M. Jordan, - St. Louis, Mo. | Anthony Wiegand, - Indianapolis, Ind. |
| Joseph Heint, - - Jacksonville, Ill. | B. P. Critchell, - - Cincinnati, O. |
| Myron A. Hunt, - Chicago, Ill. | W. L. Smith, - - Aurora, Ill. |
| Wm. H. Boomkamp, - N. Y. City. | John Goode & Co., - Hyde Park, Ill. |
| George R. Mumma, - Dayton, Ohio. | James King, - - Chicago, Ill. |
| Alexander Murdoch, - Pittsburgh, Pa. | Ellwanger & Barry, - Rochester, N. Y. |
| J. D. Carmody, - - Evansville, Ind. | Robert J. Halliday, - Baltimore, Md. |
| H. W. Buckbee, - - Rockford, Ill. | Alfred Neuner, - - Louisville, Ky. |
| Luther Armstrong, - Kirkwood, Mo. | C. B. Whitnall, - - Milwaukee, Wis. |
| F. R. Pierson, - - Tarrytown, N. Y. | Robert S. Brown, - - Kansas, City, Mo. |
| Charles A. Reeser, - Springfield, O. | Henry Michel, - - St. Louis, Mo. |
| A. Whitcomb, - - Lawrence, Kan. | Robert Craig, - - Philadelphia, Pa. |
| John Thorpe, - - Queens, N. Y. | Edwin Lonsdale, - Philadelphia, Pa. |
| Robert George, - - Painesville, O. | H. A. Dreer, - - Philadelphia, Pa. |

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|---|--|
| E. G. Hill, - - Richmond, Ind. | David Clark, - - Broadway N. Y. City |
| Francis Morat, - Louisville, Ky. | William J. Stewart, - Boston, Mass. |
| Frederick Sulzer, - Chicago, Ill. | Isaac Buchanan, - N. Y. City. |
| Exeter Machine Works, Exeter, N. H. | H. J. DeVry, - - Chicago, Ill. |
| B. K. Bliss & Son, - N. Y. City, N. Y. | John S. Forster, - - Evanston, Ill. |
| Wm. and Jas. Murdock, Pittsburgh, Pa. | C. F. W. Gentemann, - Quincy, Ill. |
| Harry Sunderbruck, - Cincinnati, O. | Gardner & Huntsman, - Cincinnati, O. |
| William C. Wilson, - Astoria, N. Y. | Walter Coles, - - Claymont, Del. |
| James Taplin, - - Maywood, N. J. | A. Brackenridge, - - Govanston, Md. |
| John May, - - Summit, N. J. | Reimers Bros., - - Louisville, Ky. |
| Antoine Wintzer, - West Grove, Pa. | John G. Heint, - - Terre Haute, Ind. |
| T. and R. Ferguson, - Philadelphia, Pa. | C. L. Allen, - - Garden City, N. Y. |
| S. A. Nutt, Esq., - - New York City. | Robert H. Heath, - - Woodstock, Ont. |
| John Henderson, - - Flushing, N. Y. | A. Donaghue, - - Omaha, Neb. |
| Young and Elliot, - N. Y. City. | B. A. Elliot, - - Pittsburgh, Pa. |
| William Hamilton, - Allegheny City, Pa. | Alfred Ray, Esq., - - Montreal, Ont. |
| Charles Anderson, - Flushing, L. I. | Frederick Fahrman, - Philadelphia, Pa. |
| A. LeMout, - - N. Y. City. | Albert Fischer, - - Cincinnati, O. |
| F. E. McAllister, - N. Y. City. | S. S. Jackson, - - Cincinnati, O. |
| Louis Seibracht, - Hinsdale, N. Y. | Charles F. Evans, - Philadelphia, Pa. |
| August Rosker, - - N. Y. City. | A. Blanc, - - Philadelphia, Pa. |
| Ernest Asmus, - - W. Hoboken, N. J. | John Young, - - St. Louis, Mo. |

REGULAR MEMBERSHIP LIST, \$2.00 EACH.

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| J. O. Treadway, - - Brandt, O. | Thomas Young, Jr. - N. Y. City, |
| Frank Goode, - - Springfield, O. | Victor Oonval, - - Woodslee, N. Y. |
| Paul F. Lau, - - River Park, Ill. | Joseph Towel, - - Paterson, N. J. |
| S. M. Tracy, - - Columbia, Mo. | George Welch, - - Madison, N. J. |
| John R. Hellenthal, - Columbus, O. | William Bennett, - Flatbush, N. Y. |
| Gustave Drobsich, - Columbus, O. | Paul Butz, - - New Castle, Pa. |
| Charles Neuner, - - Louisville, Ky. | R. Maitre, - - New Orleans, La. |
| Edward Cornell, - - Indianapolis, Ind. | C. E. Allen, - - Brattleboro, Vt. |
| Charles Reiman, - - " " | John Bader, - - Allegheny City, Pa. |
| Charles A. Getz, - - Cincinnati, O. | J. F. Gibbs, - - Perryville, Pa. |
| August Sunderbruch, - " " | Thos. Jackson, - - Cincinnati, O. |
| Mrs. Theo. Schuster, - Brooklyn, N. Y. | William C. Nolan, - - " " |
| David R. Woods, - - New Brighton, Pa. | Alfred Forder, - - " " |
| Thomas Tart, - - Port Rich'd N. Y. | David Knott, - - " " |
| W. F. Fancourt, - - Philadelphia, Pa. | Charles Hartwig, - - Chicago, Ill. |
| A. D. L. Farson, - - " " | E. Wienhoeber, - - Chicago, Ill. |
| John Burton, - - " " | N. Singler, - - Washington Heights, Ill. |
| Therburn & Titus, - - N. Y. City. | Schiller and Kuske, - Niles Centre, Ill. |
| John Spalding, - - New London, Conn. | William Underwood, - Ludlow, Ky. |
| Edward Eliot, - - Milwaukee, Wis. | John Fries, - - Newport, Ky. |
| Walter Gray, - - Cincinnati, Ohio. | Mrs. O. P. Fairchild, - - Covington, Ky. |
| Joseph Glenn & Sons, - " " | Wm. McKellar, - - Chillicothe, O. |
| Frederick Kolthoff, - - " " | Corbett & Wilson, - - Cincinnati, Ohio. |
| F. Philip Hasp, - - " " | John Fenn, - - N. Y. City, N. Y. |
| J. N. Underwood, - - Cheviot, Ohio. | Henry Seebright, - - New Rochell, N. Y. |
| W. T. League, - - Hannibal, Mo. | R. J. Donovan, - - Havelock, Ill. |
| Chas. Reissig, - - Chicago, Ill. | R. J. Purvis, - - Havelock, Ill. |
| August Dresel, - - Chicago, Ill. | E. Bonner, - - Xenia, Ohio. |
| Marcus Ellis, - - Keene, N. H. | E. W. Guy, - - Belleville, Ill. |

taken in carriages to Snaw's Garden, where each member was requested to register his name and address. From this register the correct date of the event may be obtained. On the way back to the city we stopped at the fair grounds. At the Fair grounds in St. Louis, Mo., in June, 1883, a number of florists collected together, and the subject of organizing a society of florists was discussed. It was proposed by Mr. E. G. Hill that at the next meeting of the association to be held in Chicago the florists take steps to organize a society independent of nurserymen and seedsmen. I have reason to believe that this was the first definite proposition to organize the Society of American Florists.

The question whether the florists would sustain an independent society had been discussed previous to this time by various parties, but no definite action proposed.

I would be glad to hear from others on this subject, and to be corrected if I am in error. J. T. ANTHONY.

Chicago, June 4, 1895.

[Our statement that the first steps toward an organization were taken at Cleveland, O., in 1883 was from information supplied by Mr. E. G. Hill. It is evident that Mr. Hill meant to write St. Louis instead of Cleveland, as the record is plain that the meeting of the old associ-

ation was held in St. Louis in 1883. The meeting of 1882 was held in Rochester, N. Y., so it could not have been a confusion of dates.—Ed.]

St. Paul.

Decoration Day trade was all that could be desired. Shipping trade both in cut flowers and plants was especially heavy, while the city trade was as good or better than last year. Memorial Day was cloudy and wet, consequently sales were light, but for the three days immediately preceding sales were very good.

The supply of cut roses was good, and stock was of fine quality. Carnations were not plentiful, although of fair quality. Outside stock was very scarce, so that roses and carnations were the main dependence for the florist. Some gardenias came in in good shape and were in good demand. Retail prices were maintained at the figures in my last report. While trade was poor with some of the smaller stores, the majority were well satisfied.

Prices have now dropped to 75 cents to \$1.25 per dozen for roses, and 25 to 50 cents for carnations. The supply is abundant and the quality good. In the plant line sales are fairly good. The bedding out season is drawing to a close, and while prices in many instances have suffered severely the aggregate of sales will undoubtedly be larger than in former

years. One feature of the plant trade is very noticeable this year, and that is the readiness with which new things are bought. And in this fact lies the key to the future of the trade. Make your money on specialties, brother florist; have a hobby and ride it, and you can sell your goods irrespective of department stores and travelling fakes and fakirs.

The Parkside Nursery Co. have sent a carload of palms and other tropical plants here to be sold by a large department store at "half price" (?) figures, etc. While some of the palms, the phoenix especially, came through in good condition, many of them are dried up and worthless. The half prices (?) at \$4.89, \$5.48, are about the regular rates charged by the florist for good stock. We agree with the great showman that "people like to be humbugged."

The florist store conducted by C. I. Warren has been discontinued.

L. L. May leaves on the 8th inst. for an extended eastern trip, combining both business and pleasure.

The suit brought by Vilmorin, Andrieux & Co. of Paris against L. L. May & Co. of this city has been dismissed, an amicable settlement having been effected outside of the court.

We have had all kinds of weather lately, the mercury climbing giddy heights one day and plunging into unknown depths

the next. This has necessitated keeping up steam during the night the greater part of the time in cut flower houses.

FELIX.

Philadelphia.

June is here, the first month of summer, and if we are to have any warmer weather than that experienced the past few days the season will certainly be a hot one. For four days straight the thermometer registered over 95° in the shade. This phenomenal burst of heat so early in the season had a bad effect on florists and their flowers as well. In the stores an entire new stock had to be laid in each morning, as flowers would not keep over night and present a salable condition the next day. Beauties, Belles, Meteors, Kaiserins and La France are now the principal roses. Beauties and Belles sell for from \$10 to \$25 per hundred for the best stock. The teas range from 3 to 5, considering the roasting they have had the stock offered is quite good and salable. Carnations are in fair supply, and while rather pale in color, particularly Day-break, are in fair shape and seem to give satisfaction on account of their lasting qualities. There are a great many pæonies offered for sale at from 3 to 4 dollars per hundred; they seem finer this season than usual. Messrs. Lonsdale, Heacock, Miller and Craig have fine stocks. Sweet peas are feeling the heat and are coming in pale and shorter in the stem; valley is scarcer and \$4 is asked for the best.

The Gun Club had a shoot at their grounds May 29, which took the form of a match between two teams captained by W. K. Harris and George Anderson. The Andersons were victorious, and as a result enjoyed a planked shad dinner at the expense of the losing team. The following is the score:

	Hits.	Missed.
W. K. Harris.....	26	24
Thos. Cartledge.....	20	30
J. W. Colflesh.....	15	35
Lemmel Ball.....	16	34
A. B. Cartledge.....	20	30
Total.....	97	153
	Hits.	Missed.
G. Anderson.....	19	31
J. Burton.....	41	9
C. D. Ball.....	25	25
W. C. Smith.....	21	29
George Craig.....	17	33
Total.....	123	127

The feature of the match in addition to Mr. Burton's excellent score was the rivalry between the two captains, William K. proved himself to be quite an expert while Anderson said he shot as he did to bring out his team. This was such an enjoyable occasion that it is likely the victors will soon be challenged to a return match and another seat by the loaded table of shad and other good things.

The June meeting of the Florists' Club at Caledonian Hall last Tuesday evening was rather slimly attended. The accommodations at this place are very good and it was voted to hold the meetings here until the completion of Horticultural Hall. The coming convention was discussed and committees were appointed on hotel accommodations, transportation and other matters pertaining to the convention. A committee was also appointed to confer with those having in charge the convention of press clubs of the U. S. and Canada to be held in this

city next week. The press has always treated the craft in such a liberal manner that the club felt it should take this opportunity and return in some way their many courtesies. It is proposed to furnish what flowers and floral decorations the committee can use to advantage.

Mr. Westcott's paper on the most profitable crop for summer, was short and to the point. He said there could not be any one crop much more profitable than another for any length of time, as every one soon got to find it out and then there was more raised than could be sold. He said that roses and carnations were in the main the most profitable crop for summer.

Mr. J. H. Troy of Pitcher & Manda was present and gave an interesting account of the new movement to control the handling of cut flowers in New York City. K.

Confessions of an Amateur.

MY EXPERIENCE IN ORCHIDS.

As an intelligent amateur, orchids have always possessed a powerful fascination for me, not only for their beauty, but also for their element of chance. They are a botanical lottery; one may buy a job lot of dry and withered plants at a merely nominal price, and then, when flowering time comes (if it ever does come, which according to my experience is a matter of doubt) one may find some unique gem among them, that will repay a year's outlay at one stroke. It was with this idea in view that I began to haunt the auction rooms. My friend Mr. Cuttings tried to persuade me to buy a batch of established plants first, telling me I should then know just what I had, but this was a point I specially wished to avoid; I wanted surprises, and I certainly got them. Nothing is more likely to surprise an amateur than the behavior of newly imported orchids, unless it is the behavior of the same plants when they are established.

The first auction I attended gave me several shocks. I didn't see any orchid plants; there were a few trays and cases of dingy-looking bulbs about, and some brilliant lithographs of orchid flowers. An especially brilliant picture was placed by the auctioneer, who gave it a name that sounded uncommonly like a disjointed college yell, and bidding commenced. Finally the lot was knocked down to me for \$17.50, and I found myself possessed of half a dozen clusters of dingy bulbs, looking more like petrified pickles dug out of an Egyptian pyramid than anything else I can think of. However, they were a great bargain, the auctioneer said; several of them were unnamed species, and that night I dreamed of making my fortune in orchids, having discovered in my lot a white cattleya with blooms the size of a theatre hat. I haven't discovered that cattleya yet, chiefly because most of the plants I picked out myself from a crate of unnamed species proved to be epidendrums, worth, so my foreman estimates, about 65 cents a bushel. And it is a singular fact that orchids worth 65 cents a bushel will thrive luxuriantly under circumstances that will prove instant death to orchids worth \$65 apiece.

That reminds me of one very unlortunate experience of mine. I attended an auction sale of rare hybrid orchids from Europe, which aroused a great deal of enthusiasm among amateurs. I was not very well acquainted with these plants myself, but when my friend Mr. Coupous, a very intelligent amateur, kept bidding

enthusiastically for a tiny specimen of the very rare Phalæo-Schomburgkilopsis Ghiesbregkiana I determined to possess that plant at all hazards. It was about the size of a Brussels sprout, but much dingier in complexion, and the professionals told me it would bloom in seven or eight years, if properly cared for. I was very much elated when it was finally knocked down to me for \$385, and wrapping it up carefully, I placed it in my overcoat pocket, preferring to carry it home myself, instead of trusting it to the care of an express company. As soon as I reached home I took out the precious plant, which had become unwrapped in transit, and, handing the cook a bag of globe artichokes I had brought for dinner I retired to the greenhouse, and, in the absence of the foreman, enjoyed the happiness of potting my precious acquisition. It was about an hour later, soon after we had sat down to dinner, that my foreman sent in to ask if he could see me at once. I called him in, and he appeared, in a state of great excitement, carrying the orchid basket containing my new hybrid. I asked him if anything was the matter, and he ejaculated "Matter? It's enough to make a chap feel upset to find a bloomin' old artichoke potted up in an orchid basket. What did you do with that new plant?" I looked at him in speechless horror, when he suddenly dropped the orchid basket, seized my fork, and speared viciously at the dish of artichokes, holding up, before my horrified gaze, my \$385 orchid, carefully boiled, and served with drawn butter. I will draw a veil, as the novelists say, over what followed. Mr. Coupous has several times wondered where I keep my Phalæo-Schomburgkilopsis, but I have never enlightened him, and my foreman always pots up any new plants, without a word of opposition on my part.

I must own that I find it hard to understand orchids from a purely professional standpoint. My friend Mr. Cuttings asked me to come and see a little thing he had in flower, of which he was very proud. I went over, and discovered a plant having the usual dried pickle appearance, bearing a spike of flowers, which, to my eye, looked like nothing so much as a cluster of agitated grasshoppers wearing Blackwell's Island suits of stripes. Several florist friends of Mr. Cuttings' were present, examining it critically. One remarked admiringly: "Just look at that marking." I remarked meekly that the marking was charming, if it wasn't for those dingy freckles on the lip. They all looked at me in a pitying way, and informed me that the markings I referred to as freckles were the distinguishing point, which rendered this particular plant unique compared with others of the same species. I then learned that an orchid which ordinarily has freckles is unique if it happens to omit them, and a fair-complexioned orchid is unique if it adds them to its make-up. Any personal eccentricity will add to its value, and if I can only discover a sage-green orchid that ought by rights to be pink, or something speckled like a turkey's egg which usually appears in bayadere stripes my fortune will be made, and the name of Sharps will go down to posterity hand in hand with that botanical gem.

I cannot truthfully say my experience with orchid flowers is very extensive yet. I had depended chiefly on some rare seedlings, which I purchased under the expectation of having a fine crop of bloom, but Mr. Cuttings told me cheerfully that I needn't expect any bloom from that batch for twelve or fourteen years. I did have

a few flowers on some established plants, but I found that to retain them I must stay up nearly all night picking snails, these creatures having a particular fondness for rare orchids, and I must say that the way in which they neglected a \$2 plant for the purpose of lurching on a \$50 specimen gives one the highest opinion of their intelligence. I mentioned this point to my foreman, but he said he didn't call it intelligence; it was pure cussedness.

From a sordid mercantile standpoint I cannot say orchid culture has been a success in my case. I begin to think that orchid collectors know a valuable thing when they see it, and that a casual amateur is not very likely to find rare specimens in a job lot of imported plants. But there is a good deal of pleasure in orchid fancying, and if only I live long enough to see some of my seedlings bloom and to secure a slackening in the snail crop I shall feel that my incursion into orchid culture has not been in vain.

J. ROBINSON SHARPS.

St. Louis.

At a recent fashionable wedding the decorations were entirely in green and white, the materials chosen being chiefly Bride roses, lily of the valley, sweet peas and smilax. The ceremony was performed under a chime of wedding bells, enclosed in an archway of smilax and roses, bordered with palms, and the reception rooms were very elaborately decorated. The arrangement was by the Jordan Floral Co.

The Judge Says.

Commission merchants cannot delegate authority.—Where a consignment is made to a commission merchant for sale without instruction, in the absence of an established usage to the contrary, of which the consignor has or must be presumed to have knowledge, the supreme court of Nebraska holds (*Burke v. Frye*, 62 N. W. Rep. 476) the consignee's authority to sell cannot be delegated, and its exercise is limited to the place to which the consignment was originally made.

Giving new note cuts off defense.—Where a debtor by promissory note and his creditor meet and have an accounting and settlement, and the debtor gives a new note for the balance due, in renewal of the old note, the supreme court of Georgia holds (*Turner v. Pearson*, 21 S. E. Rep. 104) that the debtor, when sued thereon, cannot, without alleging fraud or mistake, set up, in a plea of payment, alleged credits which ought to have been made upon the first note.

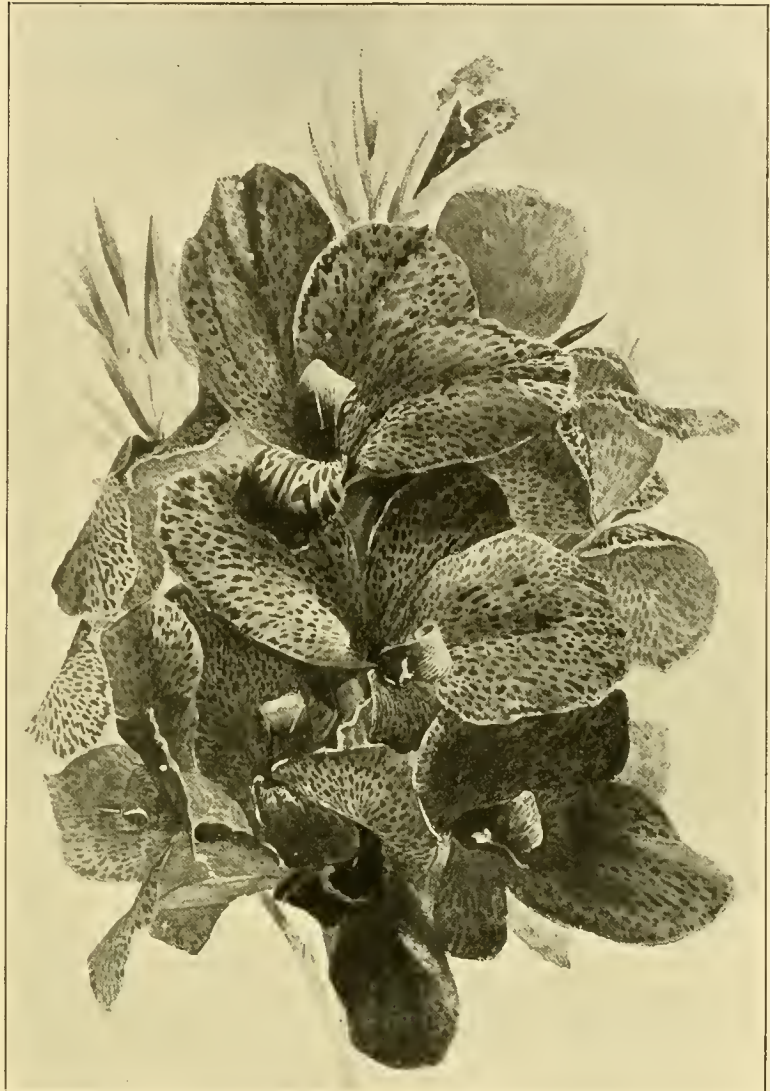
ROBERT T. DEAKIN & Co. have removed from Philadelphia to Ogontz, Montgomery County, Pa.

THE American Association of Nurserymen holds its annual meeting at Indianapolis next Wednesday and Thursday, June 12 and 13. Headquarters will be at the Denison Hotel.

DO YOU WANT a list of firms in the trade that issue catalogues, with key showing proportion of space given each branch of the trade in same? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

DO YOU WANT a list of trade organizations, both national and local, with names and addresses of principal officers, time and place of meetings and other information? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

CANNAS.



FLORENCE VAUGHAN.

The best spotted yellow.

\$1.25 per doz.; \$8.50 per 100.

VAUGHAN'S SEED STORE,
New York: 26 Barclay Street.
CHICAGO: 84 & 86 Randolph Street.

THE AMERICAN FLORIST

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Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to se-
cure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE HORTICULTURIST'S RULE-BOOK, by Prof. L. H. Bailey, comes to us in a new edition (the third) revised and extended. This work touches on so many subjects that it is impossible to enumerate them all, but it is safe to say that in no other volume can we find such a quantity of valuable information in such a handy form. Chapters on insecticides and fungicides, plant diseases, seed tables and planting tables, cements, glues, etc., plants for different purposes, postal rates, will all be found valuable to the trade, and the condensed form makes it essentially a handy volume. (Macmillan & Co., publishers, 66 Fifth avenue, New York. Price 75 cents).

Catalogues Received.

Peter van Velsen & Sons, Houtvaart, Overveen, Holland, Dutch bulbs; J. M. Thorburn & Co., New York, wholesale list vegetable seed; Dammann & Co., San Giovanni a Teduccio, Italy, bulbs, roots and orchids; S. A. Van Konijnenburg & Co., Noorwijk, Holland, Dutch bulbs and forcing plants; Sunset Seed & Plant Co., San Francisco, Cal., chrysanthemums; Mrs. T. B. Shepherd, Ventura, Cal., retail catalogue plants, seeds, bulbs, etc.; same, wholesale trade list; G. L. Taber, Glen St. Mary, Fla., fruit trees and ornamentals for the south; same, wholesale trade list.

News Notes.

BURLINGTON, IA.—M. H. Davis has opened a floral store here.

TIPTON, IND.—J. H. Weed is building six new houses, each 15x100.

SHELburne FALLS, MASS.—L. R. Fuller intends to soon add a new house 23x50.

SPRINGFIELD, ILL.—The House has passed the Senate bill appropriating \$4,000 to the State Hort. Society.

INDIAN SPRINGS, FLA.—R. W. Pierce, proprietor of Sunset Hill Nurseries, died recently and his business will be discontinued.

WILMINGTON, DEL.—De Voecht & de Wilde have changed their place of business, having bought out Charles Sparks, Garishca Lane.

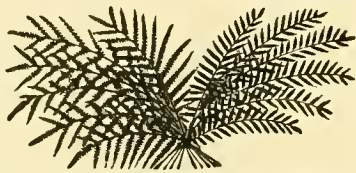
SANTA ROSA, CAL.—H. Hurlbert, formerly in the nursery business here, is insolvent. His stock has been attached by Mr. Fitzgerald, who will sell out and wind up the business.

EUSTIS, FLA.—The double freeze of the past winter destroyed all budded citrus nursery stock here, and killed to the ground fully 90% of the orchard trees.

ELLIOTT'S ASPARAGUS PLUMOSUS NANUS.

The finest Decorative material grown. Graceful, durable and appropriate.

FOR JUNE WEDDINGS many thousands of yards will be used. This stock is grown to perfection in extensive houses specially constructed for this purpose, and can be shipped long distances without injury. PRICE PER STRINGS, 8 TO 10 FEET LONG, 50 CENTS.

WM. H. ELLIOTT, Brighton, Mass.**Hardy Cut Ferns,**

BOUQUET GREEN.

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON.

There will probably be considerable demand for replanting, and light supply.

TAUNTON, MASS.—Mrs. Lyman Briggs has disposed of the Walker greenhouses to Miss A. M. Porce, formerly in business in Boston, and E. F. Costeller, formerly of Boston, and recently Malden and Quincy, has been installed as manager.

LITTLE ROCK, ARK.—Our spring trade was perhaps 10% better than last year, but the long, cold winter made expenses more. Prices about the same as last year: 4-inch geraniums \$1.25 per dozen, pansies, coleus and verbenas 50 cents per dozen.

MOBILE, ALA.—G. Bitzer, formerly in the employ of Miss Maria Minge, has gone into business for himself on Marine street. The Bayside Nursery has erected 2 new greenhouses, and will put up three more. The same firm will open a retail store in the city.

KEUKA, FLA.—Mrs. Hollister started in the nursery business here recently, and for this season will grow citrus stock exclusively. John A. Germond will grow nothing in nursery stock except camphor trees for this season, but will keep up his nursery stock the same as heretofore. Trade dull here, money tight and scarce owing to freeze of last winter.

BRIDGEVILLE, DEL.—Myer & Son report: "The nursery trade this spring has been larger with us than usual and although the spring is cold and wet stock bids fair to make a fine growth by fall. We have a fine prospect for all kinds of fruit. The peach crop has been somewhat damaged by the rainy weather but yet have enough left to grow up fine and make a nice crop."

DENVER, COLO.—The Decoration Day trade opened up with quite a brisk demand for bedding plants, and it found the florist well prepared, and no doubt would have been a busy time with the boys had not the usual Decoration Day storm set in the day before. The retail stores also looked forward to a large sale of cut flowers, but they also were disappointed. The dealers in the mountain towns who look to Denver for their supply used up pretty well the surplus stock and the demand the next day soon revived the lost hopes. It seldom rains in Denver, but when it does it pours.

San Francisco.

Decoration Day brought an excellent trade in flowers, for though the prices were moderate, immense quantities were disposed of. The day is well kept and celebrated in the city and surrounding towns. M. Lynch of Menlo Park marketed 250,000 stems of sweet peas. Mr. Lynch is building two new rose houses each 20x100 feet.

The recent flower show was one of the best ever held in the history of the society.

H. L. SUNDERBRUCH,
Wholesale Florist4TH AND WALNUT STREETS,
Cincinnati, O.**DAN'L B. LONG,**
WHOLESALE CUT FLOWERS,495 Washington St., BUFFALO, N. Y.
SHIPPING ORDERS CAREFULLY ATTENDED TO.
OTHER SPECIALTIES:
Florists' Supplies, Wire Designs, Bulbs,
Long's Florists Photographs.
Catalogues, Lists, Terms, etc., on application.**W. ELLISON,**
WHOLESALE
Cut Flowers & Florists' Supplies

WIRE DESIGNS.

1402 PINE STREET,

St. Louis, Mo.

C. A. KUEHN,

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Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

WISCONSIN FLOWER EXCHANGE,
CUT FLOWERS, PALMS, FERNS.

We believe the list of stock we offer to the trade in the above line of specialties to be the finest and most complete made by any firm in the northwest. If you have not received our June quotations, please notify us.

WISCONSIN FLOWER EXCHANGE,
MILWAUKEE, WIS.**JULIUS LANG,**
(Formerly with THEO. ROEHR'S.)
Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.**The Boston Flower Market**

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.

Address **JOHN WALSH, MANAGER,**
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."**Ellis & Pollworth,**
WHOLESALE
CUT FLOWER GROWERS' AGENTS,

Dealers in Florists' Supplies—Wire Work.
Introducers of the new Scarlet Carnation "LIZZIE GILBERT." Send for prices.
386 Broadway, MILWAUKEE, WIS.
Box 75. Phone 1275.

E. H. HUNT,
WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS.
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and **FLORISTS' SUPPLIES.**
 34 & 36 RANDOLPH STREET,
 CHICAGO.

T. J. CORBREY,
Wholesale Commission Florist,
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
Wholesale Florist,
 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

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WHOLESALE CUT FLOWERS,
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 PHONE MAIN 223. CHICAGO.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. CHICAGO.

Our Roses best them all, in quality.
 Headquarters for fine American Beauties.

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
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COMMISSION FLORISTS,
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Consignments solicited. Prompt attention to all orders.

Cycas Leaves. FRESH CUT each 75c.
VAUGHAN'S SEED STORE, P. O. Box 688. Chicago.

Wholesale Markets.

Cut Flowers.

NEW YORK, June 4.

Roses, Perle, Hoate, Cusin	1.00@2.00
" Mermet, Watteville, Brides	1.00@3.00
" Bridesmaid	1.00@3.00
" La France	1.00@3.00
" Testout	1.00@3.00
" Meteor	1.00@3.00
" Beauty	5.00@20.00
" Jacqs, OUTDOOR	.75
" Moss per bunch	.50@1.00
Carnations	.25@.75
" fancy	1.00@2.00
Valley	2.00@3.00
Harrisll lilies	6.00@8.00
Mignonette	1.00@4.00
Sweet peas, per 100 bunches	.75
Corn flowers	.50
Smilax	25.00
Adiantum	1.00
Asparagus	50.00

BOSTON, June 4.

Roses, Niphetos, Gontier	1.00@2.00
" Perle, Sunset	2.00@3.00
" Mermets, Brides	3.00@4.00
Carnations	1.00@2.00
Valley	3.00@4.00
Longiflorum	6.00@8.00
Mignonette, Stock	1.00@2.00
Astilbe	2.10
Marguerites, Myasotis	.50
Pansies	.25@.50
Adiantum	1.00
Smilax	20.00@25.00
Asparagus	50.00

PHILADELPHIA, June 4.

Roses, large teas	3.00@4.00
" small teas	2.00@3.00
" Beauties	10.00@25.00
Carnations	.75@1.50
Asparagus	35.00@50.00
Valley	3.00@4.00
Harrisll	8.00
Cattleyas	25.00@35.00
Sweet peas	.35
Mignonette	1.00@2.10
Smilax	15.00@25.00

CHICAGO, June 6.

Roses, Beauties select	15.00@25.00
" seconds	8.00
" Large teas	2.00@3.00
" Small teas	1.00@2.00
" Meteor, Testout	3.00@4.00
Carnations	.50@.75
" fancy	1.00@3.00
Valley	3.00
Harrisll, Callas	10.00
Cornflowers, per doz. bunches	.50@.75
Gardenias	1.50@2.00
Sweet peas	.35
Pionias	8.00
Smilax	15.00@20.00
Adiantum	.50@1.00
Coreopsis	1.00
Gladiolus	8.00

BTFFALO, June 5.

Roses, Beauty	15.00@25.00
" Mermet, Bride, Bridesmaid	3.00@4.00
" Meteor	3.00@4.00
" Perle, Hoate, Cusin	3.00
Carnations, long	1.00@1.25
Valley	.75
Sweet peas	.30
Valley	3.00
Smilax	15.00@20.00
Adiantum	1.50
Asparagus	50.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART,
Cut Flowers and Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS
JOBBERS IN FLORISTS' SUPPLIES, FLORISTS' VASES.
 METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND.
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SAMUEL S. PENNOCK,
Wholesale Florist
 REAR OF 42 S. 16th STREET,
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THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
Meteor,
Testout,
 And all other desirable roses, grown especially for first-class trade.

BURNS & RAYNOR,
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FLORIST,
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Roses Shipped to all points. Price list on application

Edward C. Horan,
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Careful Shipping to all parts of the country.
 Price list on application.

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THEO. ROEHRs,
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FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

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Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

☞ The Seed Trade. ☞

AM. SEED TRADE ASSOCIATION.

D. I. BURNELL, St. Louis, president; S. E. BRIGGS Toronto, 1st vice-president; A. L. DON, 114 Chambers street, New York, secretary and treasurer.

S. Y. HAINES passed through Chicago on his way to Europe.

Miss C. H. LIPPINCOTT is away on a three months' trip to the Pacific coast.

MESSRS. Northrup and Goodwin are away on a trip to the Pacific coast.

MR. D. M. FERRY will give a dinner to the seedsmen at the Detroit convention.

MR. W. M. MARKURTH, of the Harnden Seed Co., Kansas City, was in Chicago this week.

MR. J. J. HARRISON of the Storrs & Harrison Co. has recently returned from a trip of several weeks on the Pacific coast.

MR. BROWN of the Brown Bag Filling Machine Co. will have one of their machines on exhibition at the Detroit convention.

THE assignee of Z. DeForest Ely & Co. has issued a statement to creditors in which the assets are appraised at \$38,553.28 and the liabilities estimated at \$81,638.32.

THE ONION and other seed crops are more widely distributed than usual in California, special conditions of soil, land values and other causes evidently supply reasons for the changes.

THE THIRTEENTH annual meeting of the American Seed Trade Association to be held at Detroit next Tuesday, Wednesday and Thursday (11th, 12th and 13th) promises to be an unusually interesting and valuable one, and the attendance will undoubtedly be large.

THE FOLLOWING gentlemen will go to the seedsmen's convention at Detroit via Chicago: Frank Emerson, J. O. Robinson, Col. King of Minneapolis, L. L. May of St. Paul, S. F. Leonard, John Clark (with Mr. Leonard), Mr. Minglestorf of Kansas, H. W. Buckhee.

CALIFORNIA seems second only to Jersey for mosquitoes; even a tough-skinned seedsmen could hardly be blamed for tiring occasionally when roguing a sportive variety like American Belle, if every time he plunged deep into a volunteer crop of it he came out black with skeeters, now could he?

BURPE'S new dwarf sweet pea Cupid, originated by C. C. Morse & Son, Santa Clara, Calif., who are growing the seed this season, is in fine condition on their grounds. The plants of this grand novelty in the rows of beds do not stand over 10 or 12 inches high, and present a mass of pure white bloom which at a short distance might easily be mistaken for beds of snow white pansies, such a mass they make. It is certainly a distinct break in sweet peas and sure to create a sensation horticulturally when introduced.

THE OUTLOOK for the onion seed crop in the Santa Clara valley has improved during the past twenty days. With clearer dry weather the blight or mildew which had quite seriously affected a few pieces has evidently been checked and all the onions even in the affected fields are now doing well where not actually destroyed by the blight. The second seed bearing stalks are in some fields coming stronger than the first, indicating

healthier conditions at present. Undoubtedly the early and long continued rains worked a damage of 10 per cent or so on the average. The onion acreage is believed to be large and although the crop has still five or six weeks to the safety line yet with fair growing conditions there should be cleaned up a sufficient supply for all in the trade, unless some of the ambitious brethren sit up o' nights to work it off.

DO YOU WANT a complete alphabetical list of carnations in commerce in America, with name of introducer, date of introduction and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—By first-class working foreman for roses and carnations. First-class references. W. D., care American Florist.

SITUATION WANTED—By a young man. Greenhouse, garden or farm. Age 19 years. Can give best reference. H. N., 45 Highland Ave., Danbury, Conn.

SITUATION WANTED—By a practical florist. Retail commercial; place west of Mississippi River preferred. For full particulars address G. S., care American Florist, Chicago.

SITUATION WANTED—By a gardener and florist. Commercial or private place. A No. 1 rose grower. Carnations and violets a specialty. Good designer. Age 35. Best references. Address G. W., 50 Laurel St., Lugonda Ave., Springfield, O.

SITUATION WANTED—By a practical florist; long experience in the growing of roses, carnations, and general plantman. Good on all kinds of floral work. Four years in last place. Scotch. Married. References. FLORIST, P. O. Indianapolis, Ind.

SITUATION WANTED—By German florist, 20 years experience. Specialties cut flowers, Easter and show plants. Prefer first-class retail establishment. No family. Willing to take a place for a few months on trial. Address care W. Sabransky, Kenton, O.

WANTED—Second-hand saddle boiler to heat 2,500 feet of glass. Must be first-class. Address 1507 Eighth Ave., West Troy, N. Y.

WANTED—Pteris tremula and Pteris argyrea 2 and 3-inch pot plants. Address N. A. Z. & NEUNER Louisville, Ky.

WANTED—Gardener for care private place, greenhouses, orchids, palms, lawn, cow, etc. WM. H. CHADWICK, 632 Raito Bldg., Chicago.

WANTED—Reliable, sober man; must be first-class and furnish good reference. Must understand rose, carnation and mum culture. Address H. P. SMITH, Piqua, O.

WANTED—A man that understands growing ferns, palms, carnations, violets and chrysanthemums. Must be well recommended. Address IRA G. MARVIN, Wilkes-Barre, Pa.

FOR SALE—Second-hand florist's refrigerator, used one year, in perfect condition, at reasonable rate. Address J. J. McMANNON, Lowell, Mass.

FOR SALE—One Allerton welded large fine boiler. One 16-section Golda boiler. One water back. Can be seen in running order. LEWIS TURNER, Kenosha, Wis.

FOR SALE—3000 feet Hitchings heavy 4-inch water pipe, with lot of valves, fittings, expansion tank, etc. Also one each Hitchings 16 and 17 boilers. THE FLORAL EXCHANGE, 614 Chestnut St., Phila.

FOR SALE—Our entire stock of Palms, Ferns and Decorative Plants; six 150-foot houses of the finest decorative stuff in Western Pennsylvania at your own price; it will pay to come and see it if you want good stuff cheap; must be sold before June 15th. JOHN R. & A. MURDOCH, 508 Smithfield St., Pittsburgh, Pa.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. Within 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business wide and established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address W. A. McCLINTOCK, Administrator, Harrisburg, Pa.

W. F. DARBY, her Atty., Steelton, Pa.

FOR SALE OR RENT.

My greenhouses on North Western Ave., Chicago; 15,000 or 30,000 square feet of glass. Plenty of stock. For particulars address A. T. JACKSON, Station X, Chicago.

FOR SALE OR LEASE.

Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCBORN, Dubuque, Ia.

FOR SALE OR LEASE.

Seven greenhouses heated by steam, new boiler, underneath and overhead pipes, houses located on the main street, street cars pass by the door from all parts of the city; will sell houses and give long lease on ground, or will sell both. Will sell stock. Reason for selling, other business. Anyone wanting to purchase a good paying business will find it to their interest to write T. E. KEITH & Co., 1700 Kansas Ave., Topeka, Kan.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 2 1/2 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 110 to 240 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL,

Belmont and Western Aves., Chicago.

Assignee's Sale.

By virtue of a DECRETAL ORDER, made and entered of record in the County Court of Cook County, for the sale of the property and effects of the estate of Joseph T. Anthony an insolvent. Notice is hereby given that sealed bids or proposals for the purchase of all and singular the goods, fixtures and assets of said estate (exclusive of moneys, credits and outstanding accounts) and which consists of Greenhouses, situated at No. 3425 Prairie Avenue, Chicago, Ill., and the entire Floral and Horticultural Stock herein contained, all tools and implements used in the business including horses, wagons, etc., will be received by the undersigned at his office, No. 3425 Prairie Avenue or at the office of his attorney, George Sawin, Room 38, Howland Block, 134 Dearborn Street, Chicago, Ill.

An inventory of said property can be seen and full particulars given by calling upon either of the said persons. Bids to be inclosed in sealed envelopes, addressed to either said Assignee or said Attorney and such envelopes plainly marked "Bids for Stock." Bids can be received as late as 4 o'clock p. m. June 25th, 1895, and will be opened by said County Court, Saturday, June 29th, at 10 o'clock a. m., should said Court be in session. If said Court is not in session at the above named hour, said bids will be opened at the first session thereafter at the same hour, at which time said bids will be acted upon by said Court.

Inspection of said stock is invited.

JOSEPH A. MERRIFIELD,

Assignee of Estate Insolvent of Joseph T. Anthony.

GEORGE SAWIN, Attorney,

Room 38, Howland Block, 134 Dearborn St.

TO EXCHANGE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order.

TO EXCHANGE—Pink and white hollyhocks for Mrs. Fisher carnation plants. Address GEO. SUTNER, Elgin, Ill.

DARLINGTON BROS., Murfreesboro, Tenn.—OFFER in small lots, or assorted, 5-in. Florence Vaughan Carna, Pelargonium "Favorite," 3-in., Double White Stocks, Basket Plants, "Favorite," etc. A local stock. Name your wants.

WANT—Rose Geraniums, Carnations, Ferns, new Roses, Swainsona, Water Lily.

WE HAVE A 2,000,000 FREESIA REFRACTA ALBA AND MUST DISPOSE OF IT.

We therefore offer to accept up to July 1st, orders for well matured, fine Bulbs 1/2 to 3/4-inch diameter and over, per 100 50 cts.; per 100 \$3.50; per 10,000 \$32.00; per 50,000 \$150.00. DELIVERY IS INCLUDED IN THESE PRICES.

JAPAN LONGIFLORUM. Cheaper and better than Harrisii. TRY THEM.
CALLA ETHIOPICA. LITTLE GEM CALLA.

Send for our NEW Price List. We will give 10 per cent. discount on ALL orders booked up to July 1st.

Address

H. H. BERGER & CO.,

ESTABLISHED 1878.

SAN FRANCISCO, CAL.

FORCING BULBS.

HYACINTHS, TULIPS, DAFFODILS,

And all other Bulbs for forcing and outdoor, in very fine quality, at very low rates.

References as to quality of our Bulbs, we can give you to nearly all the leading Bulb Importers of the United States.

Send your orders **AS SOON AS POSSIBLE**, as we commence despatching Bulbs soon.

SEGERS BROTHERS,
 WHOLESALE BULB GROWERS,
LISSE, near Haarlem, HOLLAND.

IMPORT PRICES
 ON ALL
FALL BULBS
 NOW READY.
Seasonable
Deliveries
 on
Every Item.


VAUGHAN'S SEED STORE

New York: 26 Barclay St. CHICAGO: 84 & 86 Randolph St.



Gardiner's Celebrated English Mushroom Spawn.
 Fresh and Reliable.
 \$7 per 100 lbs.
 Special price on larger quantities.
 John Gardiner & Co., Philadelphia, Pa.

LILIUM HARRISII.
 Original and largest growers of this important bulb.
OUR SPECIALTY!
 True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
 TARRYTOWN-ON-HUDSON, NEW YORK.



NO DISEASE
 among the Longiflorums from Japan.
 Why not try some of these instead of the Bermuda stock? Cheaper, and no disease. I can deliver by Oct. 1st if I hear from you at once. Three sizes, 5 to 7 in., 6 to 8 in. and 7 to 9 in.; guaranteed 75 per cent. single crowns, and Delivered on Time, if I hear from you at once. Let me figure on your other wants in the bulb line.
G. C. WATSON, 43 North 10th Street, PHILADELPHIA, PA.

F. & H. VAN WAVEREN,
BULB GROWERS,
Oak Hill, Bennebrock, Holland,
 offer the following varieties at exceptionally low prices:

SINGLE EARLY TULIPS. Per 1000	DOUBLE TULIPS. Per 1000
SCARLET DUC VAN THOL \$ 2.50	MURILLO, blush \$10.00
QUEEN VICTORIA, white 3.00	TOURNESOL, red and yellow. 10.00
L'IMMACULEE white 4.00	REX RUBRORUM, scarlet 10.00
POTTEBAKKER, white 10.00	LA CANDEUR, white. 4.00
YELLOW PRINCE 7.00	HYACINTHS.
YELLOW CHRYSOLORA 7.00	MIXED 15.00
BELLE ALLIANCE, scarlet 4.00	SECOND SIZE, all varieties. 20.00
KEISERS KROON, red and yellow border 7.00	FIRST SIZE, all varieties. 40.00
DUC VAN THOL, red and yellow border 2.50	



TRY DREER'S GARDEN SEEDS,
 Plants, Bulbs & Requisites.
 They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
 Philadelphia, Pa.
 Mention American Florist.

FINEST OF BULBS
AT LOW RATES.
 Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.
HULSEBOSCH BROTHERS, Englewood, N. J.
 Mention American Florist.

M. KEPPLER,
 Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
 Florists and Gardeners trade a Specialty.
 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

WE SELL SEEDS
 Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
 Seed Merchants and Growers,
114 Chambers Street, NEW YORK.

Cleveland.

A short time ago a certain prominent and popular business man of Cleveland died after a short illness. A day or two prior to his demise one of his business associates went into a florist's establishment and made some inquiries concerning funeral flowers, and finally placed an order that to his mind embodied all the desirable attributes of such a piece of work. It was to be emblematic of the business in which the deceased had been engaged, and it had occurred to the would-be purchaser that nothing could better represent that idea, than a floral horse's head! But being a far-seeing business man, accustomed to keeping his eagle eye on the dim and uncertain future, and knowing that such a novel and original design might present some difficulties to a florist when it came to working out the idea, he had thought it best to take time by the forelock and get things moving in good season! The unhappy florist dodged the issue as long as possible by suggesting that the man might get well, but without success. The business man knew what he wanted and pretty nearly when he wanted it and so the florist had to go ahead with the monstrosity. It seems to me that for downright grim, ghastly, provident, cold-blooded unsentimentality this party is entitled to the pie foundry. But about the time that a sufficient quantity of black cloth had been laid in, and while the florist was racking his brain to obtain a life-like wire frame and fiery and spirited glass eyes to go with the same, the order was changed for something not quite so startling. Possibly the man of unique ideas was sat upon by his colleagues.

More humorous but less ghastly was the conceit of a colored lady who wanted a wreath and insisted on having it lettered: "The gates of Jordan have now been lifted."

Planting out has been so long delayed that it is very doubtful if that branch of the business will develop any great activity this season. A few florists report business fair, others—and the majority—complain somewhat. Florists in the vicinity of the cemeteries were of course rather busy on Decoration Day, but this branch of the trade is decidedly not the most profitable. Average humanity with average wealth tends to spend money for its own gratification, or spends it when there is some hope of return in some form. And after the first outburst of grief is over and the late Mr. Smith has become a month, or six months, or a year late, then the sorrowstricken one begins to find that "flowers fade so soon," or "it's so far," or "so hot," or Heaven knows what, the upshot of the matter is the same, that in spending money for cemetery purposes people look for low-priced stock for planting out purposes, and among the buyers the personnel is continually changing; familiar faces drop out and new ones appear, often at very short intervals.

It is rumored that Robert Opitz, doing business under the title of "The Cleveland Floral Company," has sold out to a Mr. Schneider, a florist formerly of Ithaca, N. Y. Mr. Opitz was not a florist, but thought he would like to try anyhow.

A.

Denver, Colo.

We have had very few pleasant days since May 1, and as a consequence spring trade has "gone glimmering."

Decoration Day was very wet, trade nil in consequence.

At their annual election the Denver Flo-

BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw the New Rose growing, "I am agreeably disappointed; I had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF. \$35 PER 100; \$250 PER 1000.

SIEBRECHT & WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave.

NEW ROCHELLE, N. Y.

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Plants, 2, 3, 4-inch pots.

ROSES

BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

Rose Plants

FROM THE

SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride, and Meteor.

Please write, stating just what you want, and I will quote you a bargain.

Originator of the
ROSE
BRIDESMAID.

FRANK L. MOORE,
Chatham,
NEW JERSEY.

rists' Society elected the following: A. M. Lewis, president; Mrs. R. Mauff, vice-president; E. Porter, treasurer; A. Kobankie, recording secretary; H. H. Given, corresponding secretary.

Lewis, Berry & Loken have leased the Westminster greenhouses for a term of years and have adopted "The Denver Florist Co." as a firm name. They have erected a neat conservatory in the rear of their store at 520 16th street and are doing a good business at their new stand.

G.

The Omnipresent Orchid—A Frenzy.

I've sung full many a simple flower, my lady's ear to please,
Of lilies, gillies, daffodils—machine-made rhymes, like these.
But now she wears odontoglots amid her rippling hair
And dendrobes deck her filmy gown—confusion take the pair;
For where's the poet who can rhyme a cypripedium?
Before such pagan polyglot the muse herself were dumb.

She talks of deudrochilums as the sweetest flower that blows,
And thinks a chysis fairer than the poet's red, red rose;
But who can rhyme cecolygne, or sing a tuneful strain
With phalenopsis for its theme, and vanda its refrain?
Or why should masdevallia with a sophronites lurk
Till a calopogon aids it to commit its deadly work?

Alack, those deadly, direful names are ringing in my brain—
The very thought of orchid brings a weariful refrain
Of cattleya and calanthe, with a catasetum proud
While schomburgkia's arms enfold me in an orchidaceous shroud;
They stalk like spectres round me, clad in names of ghastly sound,
Till the poet, raving madly, siuks a maniac on the ground.

—From the unwritten poems of a botanical bard.

AMERICAN BEAUTIES.

All foreign stock that will stand the most critical inspection. TRY THEM. \$5.00 per 100; \$45.00 per 1000.

	Per 100	Per 1000
THE BRIDE.....	\$4.00	\$35.00
CHR. DE NOUE.....	4.00	35.00
METEOR, extra strong.....	3.50	30.00
MERMET.....	3.00	25.00
MME. DE WATTEVILLE.....	3.00	25.00
MME. COCHET.....	3.00	45.00

NOTICE.—All our foreign Roses are strict January propagation, and made only of selected wood from our cut flower range.

Such stock we plant ourselves.

Samples on application.

VARIATED VINCA, 2 year old plants out of 4-inch pots, \$10.00 per 100. Cash with order.

J. B. HEISS,

116 South Main St., DAYTON, OHIO.

FORCING ROSES

OF ALL KINDS.

CARNATION PEACHBLOW.

For reasonable price.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

JOHN N. MAY,

WHOLESALE GROWER OF

Roses, Carnations, Chrysanthemums and Cannas.

All of which are now ready.

SUMMIT, NEW JERSEY.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER,

JAMAICA PLAIN, (Boston), MASS.

W. A. MANDA,

MERCHANT, GROWER, IMPORTER & EXPORTER OF

FLORISTS'

Plants, Seeds and Bulbs.

NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

SMILAX.

1000 STRINGS, 7 feet long, \$12.50 per 100.

CHAS. POMMERT, Greenfield, O.

VERBENAS

In bud and bloom, per 100 per 1000
 MAMMOTH bushy plants..... \$3.00 \$25.00
 GENERAL COLLECTION bushy plants.. 2.50 22.00

ROSES.

AMERICAN BEAUTY, fine, clean,
 healthy stock, 2 1/2 inch..... \$8.00 \$75.00
 3-inch..... 10.00 95.00
 HYBRID PERPETUAL, fine young fall
 propagated, 2 1/4 inch..... 5 00 45.00
 Strong 5 and 6-inch in bud and bloom... 25 00

CHRYSANTHEMUMS.

Fifty fine varieties..... \$3.00 to \$6.00 per 100

MISCELLANEOUS BEDDING PLANTS.

Per 100
 ANTHEMIS from 2 1/2-inch pots..... \$ 4.00
 " 3-inch "..... 6 00
 ALTERNANTHERA..... 3 00
 AGERATUM Blue and White..... 3 00
 COLEUS from 2 1/4 inch pots..... \$25 per 1000 3 00
 " 3-inch " strong and bushy..... 5 00
 DRACENA INDIVISA, strong, large plants.... 40.00
 " TERMINALIS, nicely colored, 5 in.
 "..... \$4 per dozen
 FUCHSIAS, 3 1/2-inch pot, splendid variety..... 8 00
 GERANIUMS double and single, 3 1/2 inch pots... 8 00
 " 2 1/2-inch "..... 4 00
 HELIOTROPE, 2 1/2 and 3-inch pots..... \$3 and 5 00
 SALVIA SPLENDENS, 2 1/2 and 3-in. pots.. \$3 and 5 00
 CARNATIONS, 3 1/2-in. pots, summer blooming... 15.00
 CANNAS, Mme. Crozy, Creole and 6 other varie-
 ties, strong dry roots..... 4 00
 P. ANDANUS UTILIS, 5 and 6-in. pots. \$5 & \$8 per doz.

WOOD BROTHERS,

Fishkill, N. Y.

ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SE-
 LECTION IN THE WORLD.

New and Rare Plants for the Stove, Green-
 house and Conservatory.

SANDER, St. Albans, England,
 & Bruges, Belgium.

A. DIMMOCK, Agent, care Rolker's Auction Rooms, 106
 and 108 Liberty Street, New York City
 Send for illustrated catalogue.

PANSIES.

THE FINEST STRAIN, ALL IN BLOOM.

Cold frame plants; will sell now to close out at
 \$1.50 per 100; \$12.00 per 1000. Stock is
 extra fine, all colors mixed.

E. B. JENNINGS,

Wholesale Pansy Grower.

Cash with order. Lock Box 254, SOUTHPORT, CONN.

25,000 Coleus.

Golden Queen and Red Verschaffeltii.

Also 25 leading varieties; all bright colors;
 fine plants, 2 1/4 -inch pots, \$2.00 per 100;
 \$18.00 per 1000. Cash with order.

C. F. FAIRFIELD, FLORIST,
 SPRINGFIELD, MASS.

PLEASE
 MENTION
 THE
 AMERICAN
 FLORIST
 EVERY
 TIME
 YOU
 WRITE
 AN
 ADVERTISER.

Herr's Pansies.

A Little Booklet (ready July 1st) tells you why they are the best
 investment you can make at \$5.00 per 1000.

BOOKLET CAN BE HAD FOR THE ASKING.

L. B. 496.

ALBERT M. HERR, Lancaster, Pa.

30,000 VERBENAS. THE CHOICEST VARIETIES
 IN CULTIVATION

Extra fine plants, in bud and bloom, \$2.50 per 100; \$20 per 1000. Rooted Cuttings, \$1 per 100; \$8 per 1000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.

Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

SEASONABLE STOCK.

IN FIRST-CLASS ORDER.

Per 100
 Acalypha Macafeeana, 2 1/2-inch pots..... \$5.00
 Ageratum, Cope's Pet, 2 1/2-inch pots..... 2 00
 Alyssum, Tom Thumb, 2 1/2-inch pots..... 2 50
 Begonia Vernon, 2 1/2 inch pots..... 3 50
 Cannas, dry roots, French seedlings..... 2 00
 Cocoloba (Muehlenbeckia) Platycada, 2 1/2-
 inch pots..... 3 00
 Coleus, Golden Crown, Firebrand, Beckwith's
 Gem, Purple Prince—a sturdy variety, superior
 to Hero, 2 1/2-inch pots..... 2 00
 Ariel, dwarf, a beautiful var., 2 1/2-inch pots... 4 00
 Cuphea platycentra, 2 1/2-inch pots..... 2 50
 Fuchsias, leading sorts, 2 1/2-inch pots..... 4 00
 Cazania splendens, 2 1/2-inch pots..... 5 00
 Geraniums, Gen Grant, and other leading
 bedding sorts, 2 1/2-inch pots..... 4 00
 Ivy, Sour, de Chas. Turner, P. Crozy, etc.,
 mixed, 2 1/2-inch pots..... 4 00
 Cerman Ivy, 2 1/2-inch pots..... 2 00
 Hibiscus, mixed rubra, grandiflorus, etc.,
 4-inch pots..... 8 00
 Heliotrope, 2 1/2-inch pots..... 3 00
 Pilea Serpyfolia, 2 1/2-inch pots..... 2 50
 Solanum Jasminoides, 2 1/2-inch pots..... 10 00
 Stevia serrata variegata, from flats, strong 2 00
 Swainsona galegifolia alba, very fine
 and strong, 2 1/2-inch pots..... 4 00
 Manettia bicolor, 2 1/2-inch pots..... 5 00
 Alternanthera, rooted cuttings..... 2 50
 Coleus, rooted cuttings..... 75
 N. B.—The above prices are f. o. b. at Oyster Bay,
 without the pots.

SEAWANHAKA GREENHOUSES,

P. O. Box 34. Oyster Bay, Queens Co., N. Y.

Mention American Florist.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

50,000 Carnations.

ROOTED CUTTINGS.

Ready now. Positively no Rust. Also
 rooted runners Lady Campbell Violets.
 Send for Price List.

Wm. Swayne,

P. O. Box 226. KENNETT SQUARE, PA.

LIZZIE MCGOWAN,

\$1.50 per 100; \$12.50 per 1000.

WM. SCOTT,

\$5.00 per 100; \$25.00 per 1000.

Guaranteed stock, well-rooted, free from disease,
 strong and stock. Most popular Carnations on
 the market.

ALEX. McBRIDE, Alplaus, N. Y.

The most Complete Assortment of Stock
 in the West for

FLORISTS and NURSERYMEN.

Headquarters for Roses, Tender and Hardy
 Plants, Shrubs, Bulbs, Trees, etc.
 Catalogue and Price List free.

THE STORRS & HARRISON CO.,
 Painesville, Ohio.

You will benefit the American Flo-
 rist by mentioning it every time you
 write an advertiser in these columns.

CARNATIONS

SURPLUS STOCK.

Good strong plants from the soil, ready to set out
 in the open ground of the following varieties, at
 the same rate as rooted cuttings were sold.

Per 100 Per 1000
 WM. SCOTT..... \$3.00 \$25.00
 DIAZ ALBERTINI..... 3 00 25.00
 UNCLE JOHN..... 5 00 40.00
 THE STUART..... 5 00 40.00
 GOLDFINCH..... 5 00 40.00
 E. A. WOOD..... 5 00 40.00

And a limited number of the two new varieties,
 METEOR and BRIDESMAID.

FRED. DORNER & SON,
 La Fayette, Ind.

Michel Plant and Bulb Co.,
WHOLESALE FLORISTS.

ST. LOUIS, MO.

CARNATIONS.

ROOTED CUTTINGS OF
 KOHINOOR, PURPLE KING,
 and many of the standard kinds.
 Prices on application.

C. J. PENNOCK,
 The Pines. KENNETT SQUARE, Chesler Co., PA.

NEW AND TESTED
CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD,
 ELLIS, NORFOLK Co., MASS.

E. G. HILL & CO.,
Wholesale Florists

RICHMOND, INDIANA.

CARNATIONS
Last Call.

CHESTER PRIDE, PORTIA, AURORA, LIZZIE
 MCGOWAN, PURITAN and TIDAL WAVE,
 \$1.25 per 100; \$10.00 per 1000.

WM. SCOTT, \$2.50 per 100. All other varieties sold
 out; also Lady Campbell Violet.

JOSEPH RENARD,
 UNIONVILLE, Chester Co., PA.

CARNATIONS A SPECIALTY.

Field-grown plants, ready in September.
 Send for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

Always mention the American Flo-
 rist when writing to advertisers.

St. Louis.

Decoration Day found the market with a good supply of flowers and good demand, every florist in town was busy. The only scarcity was in white carnations; the wholesaler could not fill all of his orders. A good supply of roses came in of all kinds; good stock brought 3 and 4 cents, Beauties 15 and 20; carnations 1 cent red or white. The florist used to look to June for a brisk demand for cut flower work, but that is a thing of the past, and June must be counted in with the dull summer months, as the flowers will not be permitted at the school commencements.

The petition barring all commission men from selling to the fakir has gone the rounds, and was signed by all the legitimate florists in St. Louis.

Now then, let the grower come to the rescue and refuse to consign to a wholesaler who sells to the fakir. When the wholesalers saw the petition they got white in the face and said they would sign it at once. But will they live up to it? They claim that they would be losing money by not selling their stock to the fakir. I say they would make more money by not selling to them. The whole thing came about in this way. About a week ago several florists who had sold out the stock bought in the morning, went back after more to the commission man; all sold out. The florist paid 3 and 4 cents for his stock—the fakir got the same stock for 1 cent. The florist was willing to pay 3 and 4 cents for more stock, but could not buy any, as it was all sold to the fakir. That's how the petition came about, and it was quickly signed by all the florists. One grower sent in his stock the other day marked "not to be sold to the fakir." Now brother grower, fall in line and do the same thing, and you will make money by it; try it, and see how it will work. The legitimate florist and the grower must be protected in some way, and that the only way out of it; the wholesaler has it all his own way. A meeting of all the florists who signed the petition was held June 4 at the office of the Chandler Floral Co.

The bowling club last Tuesday night rolled 3 games at the new alleys, corner 18th and Park. Two teams rolled, one was called the Japs and the other the Chinese. The Japs won. E. Schray of the Jap team made 247, the largest score made. Alex Waldbart had 6 straight strikes the last game, but fell down the last four frames, and his score was 218, the next best score. The club will bowl every Wednesday night at alley corner of Compton and Park avenues.

J. W. North was the busiest man in town Decoration Day; being a G. A. R. man he got all the work and lots of it.

Chandler Floral Co. are on the lookout for a new location; their present place is to be torn down next week. Should they be unable to find one they will close for the summer and open up in September downtown. J. J. B.

New Fuchsia LITTLE BEAUTY. 50,000 Ready. The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Seed for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100. **BERGONIA Oliba**, from 2½-in. pots, \$9 per 100. **GERANIUMS**, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$3.25 per 100. Cash with order. Special price on large quantities. **LINCOLN I. NEFF**, Florist, 4010 Butler Street, Pittsburgh, Pa.

ALTERNANTHERAS.
P. MAJOR, Red. A. NANA, Yellow.
Several thousand, at \$2.00 per 100.
J. W. DAYHOFF, Hagerstown, Md.

Make No Mistake! Get the Very Best CHRYSANTHEMUMS

for next Fall's shows, and for cut flowers, pot plants, etc. Here is a partial list. They are in prime condition for shipping.

Lady Playfair.....	\$10.00 per 100	Major Bonaffon.....	\$ 6.00 per 100
Mrs. Cralce Elppincott.....	5.00 "	Mrs. Jerome Jones.....	5.00 "
Engene Dalledoize.....	5.00 "	The Queen.....	5.00 "
Mlle. Therese Rey.....	5.00 "	Marie Louise.....	5.00 "
Inter Ocean.....	5.00 "	Marlon Henderson.....	5.00 "
H. L. Sunderbruch.....	5.00 "	Laredo.....	5.00 "
Maud Dean.....	4.00 "	M. B. Spaulding.....	4.00 "
Geo. W. Childs.....	4.00 "	Mutual Friend.....	4.00 "
Mrs. J. Geo. Jis.....	4.00 "	Mrs. E. G. Hill.....	4.00 "
Illuminator.....	4.00 "	Nireus.....	3.00 "
Eda Prass.....	3.00 "	Tuxedo.....	3.00 "
Summit.....	3.00 "	Ada H Leroy.....	3.00 "
Ruth (Margaret Graham).....	3.00 "	Harry Balsley.....	3.00 "
Jos. H. White.....	3.00 "	Col. W. B. Smith.....	3.00 "
Miss Sue T. Price.....	3.00 "	Wm. H. Lincoln.....	3.00 "
Malmalson.....	3.00 "	Mrs. J. G. Whildin.....	3.00 "
E. G. Hill.....	3.00 "	Brienzida.....	3.00 "
J. H. Taylor.....	3.00 "	Ivory.....	3.00 "
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Strong, well-rooted sturdy stuff in thumb pots. N. B.—If selection is left to us, 50 per cent off above prices. Special quotations for large quantities. Send for our list of the cream of the novelties.

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DREER'S OFFER OF DWARF FRENCH CANNAS.

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REMEMBER these are not freshly divided plants out of moss or soil, but well established in 3-inch pots and will make a display at once.

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ALTERNANTHERAS.

AUREA NANA, 2-inch pots..... 1.50
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Alternantheras, best kinds.....	Per 100	\$ 2.00
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Worcester, Mass.

Memorial day trade was fully up to everyone's expectations and it took some tall hustling to get the orders filled on time; it is gradually increasing, and it won't be long before we will have to work two days and nights without a let-up. As it was, orders were refused all day Wednesday, partly on account of the uncertainty of the supply and partly for lack of time.

The increase over last year's trade in flowers is estimated at 20 to 25%, but the plant sales run lower than in 1894; of course the supply was short although more stuff came in than was expected; some of the farsighted growers built temporary frames over the deutzia and in this way brought it in about right and also saved it from Jack Frost.

Carnations came in in large quantities but not enough to go around, they brought 50 and 75 cents a dozen. Lange's house of pink and white stock was a great helper and sold for \$1.50 per dozen. The supply of roses was large and almost equal to the demand at \$1.50 to \$2.50 per dozen. Other stuff sold at slightly advanced prices. Longiflorums brought \$3.00.

There was a big increase in the call for bouquets and fully one-third of the supply was worked up in this way; next to bouquets the call was for loose flowers. Small plants went fairly well but anything large than a 6-inch pot sold slowly.

The soldiers' monument was decorated by the scholars of the two high schools and a very pleasing arrangement resulted; most of the stuff was contributed by the local florists. The weather was warm and clear.

Since the 30th trade has held up very well, considerable funeral work being turned out. We have had considerable rain and outside crops have been greatly benefited.

A. H. L.

Lenox, Mass.

The Lenox Horticultural Society will hold their first annual rose exhibition at the Assembly rooms, Lenox, on June 26 and 27. H. Wookey, G. Ferguson, and A. J. Loveless, form the committee of arrangements. The society has done much to educate the public taste in horticulture, and with this end in view they will endeavour to make this exhibition an interesting object lesson to all lovers of the queen of flowers. List of premiums can be obtained of A. H. Wingett, secretary.

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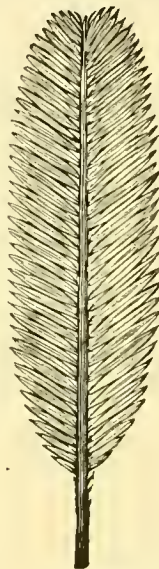
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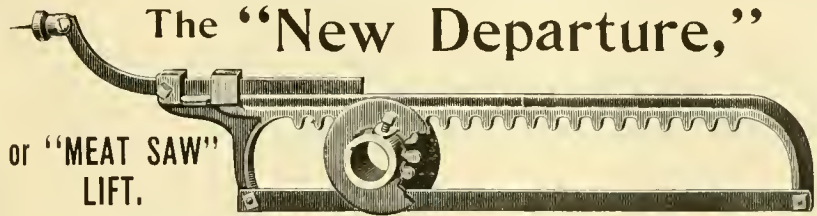
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Yours truly, E. G. HILL & CO.

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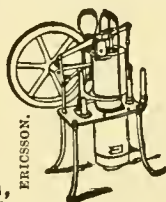
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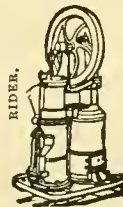
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lawn and potted plants, a highly concentrated, absolutely odorless, and perfectly soluble plant food is necessary.

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Decoration Day was a scorching hot day, but still large crowds of people rode to the cemeteries from early morning until night and many thousands of bedding plants were disposed of by the dealers. The sharp competition caused prices to drop below the paying point, and as a result, although as many or more plants were sold, the cash received for them does not compare favorably with other years. Cut flowers of all description were sold out clean and have been short in supply ever since, white carnations in particular are very scarce, also good roses; the effect of the extreme heat of the past week shows on them. Lily of the valley from outdoors is over and cold storage pips have to be relied on from now forward. Outdoor stuff is getting more plenty. Iris, pyrethrum, pinks, pæonias, spiræa, etc. are used in quantity. Outdoor roses of the H. P. class are seen here and there. Trade is taking a decided summerish aspect, with nothing going on but a few funeral designs now and then, and the storekeeper gets ready to take his summer vacation earlier in the season than usual, that is if he is lucky enough to have a bank account in his favor.

In the matter of assignment of Edw. R. Fry a schedule was filed in the county clerk's office June 3, showing debts and liabilities of \$11,281. The nominal assets are \$8,007.10, actual value \$5,397.12. The preferred creditors are Eliza Robinson \$265, David Todd \$400, and J. W. Keller \$1,000. All the daily papers had the latter name as J. B. K., which is entirely wrong; neither J. B. K. personally nor the firm of J. B. Keller Sons had any large dealings with Mr. Fry, only occasionally obliging each other in cases of emergencies with a small amount of flowers or plants. J. W. Keller is our local commission dealer and if he should have to lose even a part of the amount due his earnings since starting into business in December last will be materially reduced, but he takes it rather cheerfully, saying that it is his business to accommodate the grower and dealer both, in every possible way, but expressed the hope that no more will ask him for accommodation in this particular line, for a while at least.

On Monday last Mrs. E. R. Fry reopened the store again, having made satisfactory arrangements with the assignee, Mr. John R. Fanning, as to store rent and fixtures and she will continue the business at the old stand with Mr. Fry as general manager.

The entire stock in the greenhouses of White Bros. was sold at public auction on June 5 by the assignee. J. B. K.

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For sale by all Seedsmen. No florist can do without it. Cheap, practical and indestructible. 35 cts. each, or \$3 50 per dozen. MANUFACTURED BY CHAS. SCHUCK, 2457 North 8th St., PHILA., PA.

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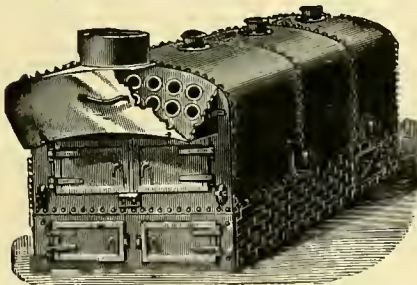
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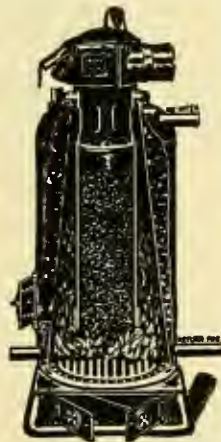
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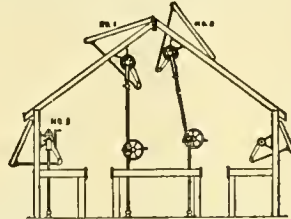
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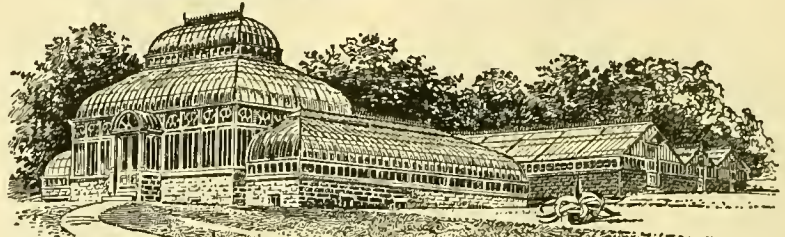
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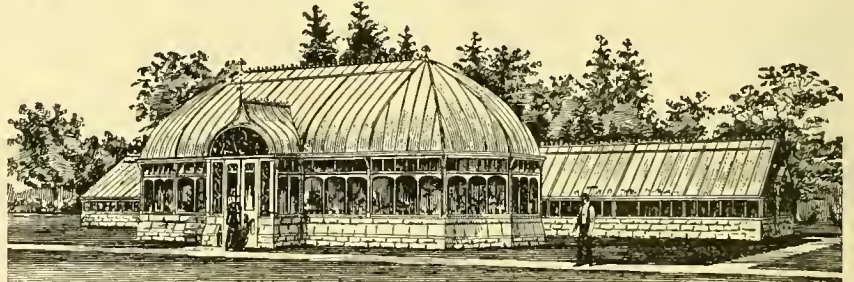
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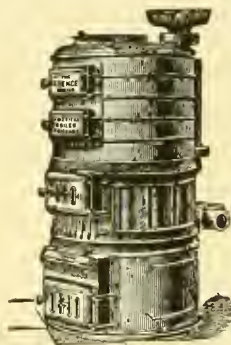
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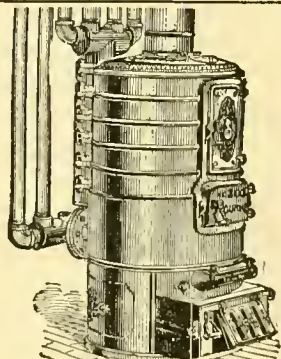


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THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 20, 21, 22 and 23, 1895.

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WEST GROVE, PA.—Geo. M. Roney has just started in the florist business here.

NORWICH, CONN.—Geo. F. Brooks has started in business here with two houses, about 20x80.

KANSAS CITY, MO.—The park commissioners have decided to beautify the west bluff, overlooking the Union Station.

PINE BLUFF, ARK.—Mrs. C. A. Starr has started in business here as a retail florist; her location is near Bellwood Cemetery.

SALT LAKE CITY, UTAH.—Richard E. Evans is building two new houses 122½x20 for roses and carnations at his Poplar Grove establishment, which will make it the most extensive place in Utah. Mr. Evans reports business good and stock in fine order.



Orchid Culture and Hybridization.

BY ROBERT M. GREY.

[Read before the New York Florists' Club June 10.]

Very few works have been written on the culture of orchids in the United States, and those of foreign publication, while applicable to the country in which they were written, cannot be followed here without due allowance for difference in climate. The severity of our winter and extreme heat of our summer demands different treatment regarding watering, syringing and airing, and in many instances, different potting material as well.

It is only within the last few years that orchids have been cultivated extensively in commercial collections here, and until recently the uncertainty of obtaining them for orders at short notice has compelled the florist to discourage their sale more or less. Where they are properly handled, however, in decorative or design work they are always highly appreciated. * * *

Orchids may be separated into two classes: "Terrestrial," which includes all those found growing naturally on the ground, deriving their sustenance directly from it, and which are found distributed over both continents, in all but extremely cold or arid parts, and "Epiphytal," which are only found in moist, tropical countries, generally attached to rocks and trees for support, with very little compost to nourish them, as they derive their principal sustenance from the atmosphere in the form of carbonic acid, etc.

As a general potting compost for terrestrial orchids, such as *Cypripedium* insignis and allied forms, *Coelogynes*, *Calanthes*, *Cyrtopodiums*, *Bletias*, *Disas*, *Phajus*, *Orchis*, *Thunias*, *Lycastes* and plants of like description, I find chopped peat fiber, sod and sphagnum, equal parts, with a little sheep or well rotted cow manure added, makes suitable material. In potting one-third of the pot space should be devoted to drainage, covered by a layer of sphagnum to keep it clear. The roots must be carefully distributed and the soil worked in carefully and rather firmly about them, leaving the surface a little below the rim of the pot to allow room for water. The compost must be kept quite moist when the plants are growing, and not altogether dry when at rest, except in cases such as *Calanthe*, *Pleione* and *Thunia*, which are deciduous in root and foliage; for these water must be gradually increased and diminished as the plants start and cease action; when at rest they require no water.

These suggestions must be taken as general; many individual species require special treatment, that experience alone can teach us.

Epiphytal orchids, the most useful class to cultivate, require an open, porous compost, and at least one-half of the pot or basket space should be devoted to good clean drainage, consisting of potsherds or charcoal. A compost of one-half or two-thirds chopped live sphagnum—the coarse variety—and peat fiber well mixed together forms a good general mixture for most species.

The quantity of water necessary depends a great deal on the genus or species in question.

Cypripediums are always more or less in action and need water whenever the compost appears dry on the surface, at all seasons.

Cattleyas and *Lælia*, with many species of *epidendrum*, need plenty of water and syringing when growing. As the growths mature the compost should be let dry out often (except in the *C. intermedia* section, *L. elegans*, etc.), but syringing over the foliage will be necessary to keep the plants from shriveling. I grow my *cattleyas* and *lælias*, without exception, in cedar or cherry baskets, no pots being used, in compost consisting of fern rhizome and sphagnum, intersected with lumps of charcoal, and find they require less attention, do not suffer from over-watering, and ripen up better for flowering.

Dendrobiums enjoy copious syringing when growing, but not too much at the roots, and when at rest syringing alone is generally sufficient. They nearly all do well in pots or baskets; the pendulous sorts should always have the latter.

Odontoglossums, *masdevallias* and a few *oncidiums* require plenty of water at the roots at all times, in fact the compost should never be allowed to become dry, even when the plants are resting.

*Oncidium*s like a free, open compost; it may be kept open by inserting nodules of charcoal through it; the plants do best in baskets or the smaller growing kinds on blocks. As a rule they do not like too much water at the roots, but enjoy syringing overhead at all seasons.

Phalaenopsis, *vanda*, *ærides*, *anagræcums* and *saccolabiums* grow best in chopped sphagnum alone, and need an extra amount of drainage, with only enough compost to retain moisture. They should have plenty of water when growing, during summer, and should not be kept dry even when at rest. Syringing in bright weather is always beneficial. The small growing sorts do best suspended from the roof in baskets, the larger ones in cylinders or pots.

When we consider the vast territory over which orchids are distributed, the differences in temperature, amount of atmospheric moisture, altitudes and natural growing seasons, connected with the

exposed or sheltered position in which the individual plants are found growing, it is surprising to find what a large majority of them yield readily to the skill of the cultivator, and adapt themselves to the artificial conditions of our conservatories, often totally foreign to that of their native habitats. It will easily be seen that in order to make a success of orchid culture and grow the many different species to perfection, about four departments in which special treatment and temperature can be given, will be necessary.

The best houses in my estimation—except for odontoglossums, which I will mention later—are those with span roofs of eastern and western aspect. They get the early morning and late afternoon sun, while at mid-day when the temperature is naturally at its highest point, the sun strikes both sides at an oblique angle, thereby causing a very slight rise of temperature within, consequently requiring less ventilation in cold weather, and the moisture is easier retained.

The structures may be any length required. The best width is about 19 feet. This allows two side stages of three feet each and a center one of seven feet, with two paths of three feet each. A space of three inches must be given between the back of the side stage and the wall to let the heat pass freely up along the glass; the stage should be built double, one above the other, with an intervening space of six inches to prevent the direct heat from drying out the plants in winter. It enters out into the path where it becomes assimilated with the moisture of the house. The height of the house to the ridge should be ten feet, and to the eaves four feet. The ventilators should be the same as those used for other plants; side ventilation is useful in summer, but it is not absolutely necessary.

The temperatures and requirements of the several departments should be governed as follows:

The East Indian or warm house has a temperature in winter 60°-65° F. by night, 70°-75° by day, with a gradual rise to 75° night and 85° day, or even more with solar heat and ventilation during summer. A good quantity of moisture must be given and may be supplied by covering the benches with ashes, gravel or sand, and keeping them and the floors wet down with the hose several times during the day. A hygrometer, or moisture register, will give the quantity of moisture; in winter it should register 70° to 75°, or a little more just after damping, but should not remain long above 85° at any time or it will cause wet spot. In bad weather 70° is enough.

Ventilation is an important point to be considered in orchid growing, and should be given in greater or less quantity night and day to keep the atmosphere in action.

This department is for phalaenopsis, warm angræcum, vandas, dendrobiums such as *Dalibousianum*, *formosum* and *Phalaenopsis*; *Eulophiella Elizabethæ*, warm cypripediums and odds and ends requiring a great amount of heat. These plants require a light shading in winter to protect them from direct sun; a light coat of white paint or wash should be applied with a flat brush. In spring a heavier coat is necessary, and the latter part of April a rather heavy application will be found necessary.

The Brazilian or cattleya house does not need quite as much heat as the preceding, and during winter should range from 55°-60° by night and 60°-65° by day, with an increase in summer to 65° or 70° by night and 75° by day, or, with sun and air, 85°. The hygrometer should

register about 70° in winter, or a few points more after damping, allowing more or less air at all times, as weather permits. This department is used for cattleyas, *lælias*, cool vandas, a majority of the cypripedes, brassias, epidendrums, a few *cœlogynes*, *miltonias* of the *cuneata* and *spectabile* section, *M. vexillaria* during winter, and other plants of like nature. Most of the plants of this department may be grown equally well in the stove house, with palms, crotons and ferns and are greatly benefited by its natural moisture. The glass requires little or no shade during mid-winter; about the first of February a light coat of wash should be given to keep the leaves from scorching, and in April a heavier application will be found necessary to keep down the temperature. Close, stagnant atmosphere must be avoided, especially in wet weather, or the young growths are liable to damp off.

The oncidium or intermediate house requires a temperature about like the preceding, or a few degrees less. The plants need more solar light, less atmospheric moisture and more frequent syringing over the foliage to perfect their growth properly and insure sound tissue capable of giving good flowering results. This department is best adapted for dendrobiums that need a cool resting season, such as *D. aureum*, *crepidatum*, *Findleyanum*, *Farmerii*, *nobile* section, *infundibulum* and *Jamesianum* during winter, most of the oncidiums, *Vanda cœrulea*, *cymbidiums*, *Cœlogyne cristata* in winter, *Lælia majalis*, *sobralias* and current genera.

The odontoglossum, New Granadan or cool house, is one of the most important; it is used for plants from cool regions and high altitudes, such as *Ada aurantiaca*, *Epidendrum vittellinum*, *odontoglossums* of the *crispum*, *luteo-purpureum*, *Insleyi*, *Rossii* and *Harryanum* section, oncidiums of the *macranthum* section, *masdevallias* in general and during summer, *Dendrobium infundibulum* and *Jamesianum*, *Lælias harpophylla* and *monophylla*, *Miltonia Roezlii*, *phalaenopsis*, *vexillaria*, etc. In erecting a house for these plants a lean-to (or half-span) of northern aspect will be found best, and in order to protect it still further from direct sun (providing no natural sheltered position offers) a stone or brick wall, extending 8 to 10 feet above the apex of the roof, should be constructed, and will be found to assist greatly. The dimensions of the house should be 10 feet in width, 8 feet to ridge and 4 feet to the eaves. The stages 3½ feet each, and a 3-foot path. The shading should consist of strong canvas, attached to a roller at the bottom in such a manner that it can be raised or lowered at will, as the weather demands. The shade should be raised 15 to 18 inches above the glass, on a light framework, so as to admit cool air to pass between it and the glass. The temperature must be kept as low as possible in summer, and 50° to 55° by night and 60° to 65° by day in winter. A humid atmosphere must be retained by keeping the floors and benches wet. The hygrometer may range from 75°-85° in winter, using the lower figure for wet weather. Fresh air must be admitted at all times to promote atmospheric action, or the young growths will damp or become spotted. Houses constructed partly below ground are not to be encouraged; they collect stagnant air, which is unfavorable to plant growth.

In buying plants, care should be taken not to select those which are infested with scale or with poor eyes. I prefer newly imported plants in good condition to so-called "established plants," in which most

of the latent eyes are dead, or which are constitutionally exhausted, and take several years to resurrect and bring back into flowering condition. With newly imported plants the dormant eyes are generally in good condition and respond quickly on being brought into the warm, moist atmosphere of the greenhouse. On receiving newly imported plants they should have all the bruised and decayed parts removed; after carefully sponging them over they should be potted up and given similar treatment to their better established brethren, except that syringing should take the place of watering to some extent until they start action. Water should not be allowed to stand in the shoots of vandas, or plants of like nature, until they become semi-established; if in shriveled condition they absorb it and generally decay. Much more might be said on this inexhaustible subject would time permit, such as injurious insects, disease of tissue, the causes, etc.; before closing I would like to say a word on hybridizing without, however, going too deeply into their minute vegetative structure.

A cattleya capsule contains thousands upon thousands of minute seeds like dust. Should 10 per cent of the capsules ripen and the seeds germinate and grow the forests would be teeming with them and I fear very little else. This, however, is not the case, and of the very small percentage that does grow very many become the prey of natural insect enemies. The reproductive organs of orchids are so arranged that excepting the *catasatum* family, a few botanical species and inferior varieties of *Dendrobium Brymerianum*, *Lælia virens*, *Schomburgkia marginata* and *Cypripedium Schlimii*, very few are capable of self-fertilization. In their natural habitats the work is almost entirely carried on by insects of various orders. From my own observation in U. S. of Colombia I noticed a great deal of this work was done by various species of the bumble bee. In seeking the nectary the anther is removed and the pollinia adhering to the thorax is carried to and deposited on the stigma of the next flower visited and often on several others.

With all these natural agencies it is surprising how few pods are perfected, and how very rarely natural hybrids result from it. The principal work of hybridization in this high order of plants appears to have been left for the hand of man, for his benefit, pleasure and wisdom in selection.

Orchid hybridizing is as simple as that of any other order of plants. The pollinia is contained beneath the anther at the apex of the column; by inserting the sharp point of a lead pencil in below it and drawing it gently backward against the rostrum the anther will be removed, and the pollen will adhere to the pencil point; it is then only necessary to insert it on the stigma of the flower to be crossed or hybridized, and the work is completed. The stigma consists of a viscid, shallow cavity (except in cypripedes, where it is convex and smooth) located on the underside of the column, just below the anther.

In hybridizing, species should always be selected from the same genus, or one of like construction. For instance, a *masdevallia* should only be used on *masdevallias*, while cattleyas may be fertilized by *lælias*, *sophronitis*, or *epidendrums*, and vice versa, their general construction being alike. And in the genus *cypripedium* the same section should be used; otherwise they rarely give perfect results, often resulting in poor issue or crippled flowers. Judgment must be used and only

good flowers selected, and plants with vigorous constitutions chosen, which will be an improvement on those already in cultivation. The fertilized flower should have a label bearing the name of the parents, with the date, attached to the stem, so that a clear record up to the time of flowering may be afterwards carried out.

When the capsule or seed pod is ripe the seed should be carefully dusted on the surface of the plant belonging to the same genus as itself, so that it will receive proper treatment as regards water, temperature, etc. It takes the seed from 3-18 months to germinate; therefore a plant must be selected that will not require potting for some time and one on which the surface material is in good condition. Newly potted plants should not be used to sow seed on for two or three weeks after potting, as the surface on coming in contact with the moist heat of the house may be attacked with fungus, or through other reasons decay; in either case the seed would be lost.

Orchid raising from seed, when properly conducted, affords a great deal of pleasure, even though it does often take several years to obtain the result of one's labor. Some species mature sooner than others. From the same seed pod I have seen a difference of over a year in the germination of the seed. *Disa x Veitchii* is said to have flowered 21 months from sowing; cypripedes take from 21-30 or more months; cattleyas take from 4-5 years, or often longer, to reach the flowering stage. Dendrobies and phalænopsis require four or five years, masdevallias and odontoglossums about four, and phajus three to four years; all under good cultivation. To watch the tiny germinating plantlet as it passes through the different stages of babyhood, and so on to the expanding of its first flower, affords an unlimited amount of pleasure and, if care has attended the selection of good flowers for the work, also a just reward. The field open at present to the hybridizer is large. I trust many of you will take advantage of it before too late, and that the best results may attend you.

Hints About Art in Gardening.

PART II.

I have made bold to say in the previous paper that the colored pattern in a geometrical flower bed has nothing of art in



HIBISCUS AND PHLOX

it because such a thing was never suggested by nature. It is far from my purpose, however, to condemn this kind of

work in gardening; I am, on the contrary, quite sure that under certain circumstances it possesses some few merits, but I do not propose to say one word about that; in preference I would like to talk



ROCKERY IN IRREGULAR GROUND.

about something else which I am convinced is infinitely better; that is, the variety of form in the garden which is more or less an element of color harmony.

Suppose, then, to prove the truth of my statement, we turn our attention directly to the particular plants and shrubs which will offer the variety we think we need. The hibiscus, whose foliage and flower are quite as ornamental as those of the azalea, is a desirable plant for the garden although it is not hardy in the north; but



HYDRANGEA, GLADIOLI AND ASTERS.

that does not matter, for the garden needs certain plants in tubs or boxes for the sake of variety. It is uninteresting to see the flowers in the little front yard, or the garden all spread out on a dead level; the eye seeks diversity and change. If every garden was as flat as a billiard table, and every plant in it grew exactly eighteen inches high, we might suffer with some new malady superinduced by plant monotony! The spreading green lawn, however, with its close clipped velvety grass is not monotonous, it is a rest for the eye. It is a fundamental principle of art that somewhere in a design the eye should be given a resting space; so the lawn should not be spoiled by cutting a flower bed in the middle of it as this must result in disturbing the rest which the eye needs; but this restful effect should not extend itself into the flower beds, and it must not be supposed that if the garden is quite level it has reached a certain state of artistic perfection. If we cannot

lift plants up any other way, so there will be more than one plane to the garden, it will be best to have a few in tubs. Variety of form should extend itself to the very structure of the garden. The beauty of some flowers cannot be seen unless they are lifted to the level of one's eyes; perhaps a terrace may do this, or a group of rocks in some irregular bit of ground. Prettier than many of the formal grounds of the villas in Italy are the tiny terraced gardens at Amalfi which hang on the sides of the little hills sloping toward the blue Mediterranean; here the peasant has been compelled to scrape together his little patch of earth and wall it about so the rain cannot wash it into the sea! Our level gardens and level plants are not half so picturesque. The advantage of a rockery or a few plants in tubs I need not urge; the garden must lose something of variety without them.

But to return to those plants which also furnish the garden with variety; the



ASTERS IN RELIEF AGAINST EVERGREEN AND RICINUS.

helianthus is capable of giving us some stunning effects both in color and form, if we will only relieve our minds of the foolish notion that it is a homely country garden flower. I allude to the varieties argophyllus, cucumerifolius, globosus fistulosus and multiflorus. The old fashioned Rose of Sharon (tree hollyhock) is almost forgotten nowadays; this is another picturesque tall character which is in splendid harmony with the sunflower; but *Althæa* has been supplanted by the Hibiscus, which I think is a pity, because the former is quite hardy as well as beautiful. I would like to put in a plea for the single hollyhock; the double variety, although extremely beautiful, is not as hardy as one could wish. Again, from the artist's standpoint the single flower has undoubtedly the advantage of picturesqueness. Such plants could be placed in almost any position in the garden without striking a discordant note with their surroundings.

The oriental poppy, which is perennial and therefore suited to the permanent effects which we wish to produce, is grand in orange-red and salmon color. I am astonished that it is not in general cultivation; it harmonizes well with all white flowers, and in the company of *Deutzia gracilis* it is certainly very charming. Yet it is far from common, and many people I have met know nothing at all about it! The pæony sustains quite a complete color harmony of its own; its dark foliage is a fine setting for its pink, crimson, or

white flowers; I should not fear to place the plants near others with different colored flowers; but it would be wisest to separate them from anything yellow or orange if the latter colors are strong. The hydrangea is a bold flowering character whose strong mass of pale lilac or blue, or even pink color furnishes a splendid contrast with the tall spikes of the gladioli, no matter what their colors may be; and should the flowers of the hydrangea fail before the gladiolus in full bloom the contrast of foliage is still of great value to the garden.

Rosa rugosa is extremely valuable for its splendid foliage, and it will furnish a fine dark background for such an airy character as the whiteranunculus poppy, or the Comet aster. Asters are not common enough in our little gardens, and in the larger ones they are apt to be arranged in some formal manner; what I would suggest for the aster, particularly the light colored ones, is a deep shady background; there is always a chance, for instance, of a hazy dark green setting for white asters, if they are planted before some spreading evergreen tree, at a point where the eye is sure to get the two in range. We are apt to enter the garden through the gate (unless we have athletic designs on the fence), and this means that at least one point of view is firmly established; it is common for almost any garden to have a group of shrubbery, or an evergreen, about fifteen feet away, which will give us the background I have spoken of.

I have seen a brick wall well covered with *Ampelopsis Veitchii* which would give me exactly the background I wanted for *Helianthus argophyllus*; and the dark foliage of some pæonies past blooming time, which I have seen left alone by itself would be just what I wanted for a background to my airy bachelor's buttons.

The dwarf French marigold gives us another variety of form which is desirable for the garden. I find that the thrifty kinds, when they are given plenty of elbow-room, spread symmetrically into a dome-like figure about eighteen inches in diameter, and produce a profusion of golden yellow flowers which harmonize charmingly with the dark pinnate foliage; my advice, therefore, is to give this strain of the marigold a fair chance; it is superbly decorative, and outdoes the geranium in bloom; it is also a splendid neighbor for the blue delphinium. But speaking of blue delphiniums reminds me of one of the most beautiful effects of color and form which the garden is capable of producing; that is, a combination of delphinium with white lilies. I cannot think of anything more refined and lovely in color harmony. *L. caudatum*, *L. speciosum rubrum* and *roseum*, *L. auratum* and *L. longiflorum*, these are all charming neighbors for the tall blue delphiniums. One tires of scarlet geraniums and ornamental leaved plants; but who, on a warm day, is not refreshed by the sight of a graceful group of blue and white flowers? The fact is, we crave variety of color as well as form; and a few more blue campanulas and delphiniums; and just a few less scarlet geraniums would be quite an agreeable change! An old saying goes, "Variety is the spice of life". Very true; then let us grow this kind of spice in the garden! We like the coleus, but we would like to have a chance to see something else which might be just as pretty!

F. SCHUYLER MATHEWS.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Florists' Delivery Wagons.

A big transformation has taken place since the days of the dilapidated cart drawn by its equally dilapidated nag, which in the olden time sufficed for the florist's use. In the larger cities the ambitious florist has been obliged to keep pace with his neighbors in other lines of trade, and there is no question that he has kept right up in the front of the procession. Footman and livery have usurped the place once held by clay pipe and overalls, and the florist who has a horse without a pedigree in the fashionable quarters of the big centres of trade is decidedly behind the times.

The wagons which we illustrate give a good idea of the different styles in general use in New York city. The one bearing Mr. Stumpp's name, which by the way is only one of several in constant use by that establishment, is fitted up with beveled plate glass, with silver mountings and artistic coloring with a cluster of *Cattleya Trianae* painted in natural colors. The interior is arranged with convertible shelves which may be used for small packages and boxes without occupying any of the floor space, which can be utilized at the same time for large designs, baskets, etc., or if necessary the whole space is available for very large designs when the shelves, trays, etc. may be let down. The interior is lined throughout with hard wood finish. Mr. Hession's turnout is on a similar plan, but of lighter construction. Siebrecht & Wadley's van is a model contrivance for the transportation of large decorative plants. Its dimensions are sixteen feet long by eight feet wide and eight feet high. The interior is arranged so that in cold weather it may be heated. It is lined with hot water pipes and a small oil heater is used to set the water in circulation. The pipes are all protected by a covering of perforated wood. This van will carry enough plants to furnish quite a large decoration. Three horses are generally used to draw it, although but two are shown in our illustration.

A Few Plants Best Adapted for the Retail Florist.

BY J. S. WILSON.

[Read before the Chicago Florist Club June 10.]

Little Gem calla makes a good pot plant; and it is of very easy culture. Plants now in 2½-inch pots will make blooming plants this fall and winter. A great many florists complain they cannot make this calla bloom. I find there is no trouble in blooming it if kept in 3½ or 4-inch pots, in which they will get thoroughly root bound, and will then send out quite a number of flowers to each plant. Of course the flowers are much smaller than the Nana Gem or *æthiopia*. It is a very dwarf grower, rarely growing 18 inches high, and when in full bloom it makes the best calla for pot sale, and one sure to be asked for by your customers when better known. When through blooming knock them out of pots, shaking all soil from the roots, also removing all the small bulbs. Trim off a portion of the old roots and repot in the same size pot. A great mistake many florists make is giving this plant too much root room.

Swainsona alba is another (I think) grand pot plant when grown to bush form, say in 5 or 6-inch pot, as it is continually in bloom. Its pure white pea shaped flower makes it also indispensable for cut flowers. I would advise all growers who do a retail business to plant at least a portion of a bench in their carnation house, in which temperature it does well for cutting purposes.

You are all more or less familiar with the rose Clothilde Soupert, and there is no occasion for me to tell you that it is the best all-round rose grown. The color of this flower is a delicate flesh pink, turning to white. It is a continual bloomer, making a grand show when grown in 4 to 6-inch pots, and commands readysale. Another point in favor of this rose is that it makes a grand summer bedder, and has proved hardy in this locality during the severe weather of the last winter.

What is going to be a grand companion to the above rose will be found in the new rose Pink Soupert, to be introduced this coming season. This rose is not a sport, but a seedling, and is almost identical to the Clothilde Soupert except in color, which is a deep pink, I might say of the same shade as *Hermosa*, and it has undoubtedly a great future as a pot rose and summer bedder.

I will now mention the coming plant for all round general use, the canna. Although grown for a great many years I might say they are as yet in their infancy. They are now almost in the lead as a bedding plant, for which purpose they cannot be excelled. They also make a grand decorative plant when grown in a pot of sufficient size, say 6 to 8-inch, and can be had in bloom the year round with little care and attention. I am satisfied it will be but a few years until the canna is grown and planted largely for cut flowers. A florist informed me the other day that he made more money off a 20-foot bed of *Madame Crozy* last winter for cut flowers than he made from his bench of roses. And I have no doubt but what he did, for what will make more show than a bunch of bright cannas? You may say, why, they will not keep! I say they will keep for 12 hours or more in water, and that is as long as receptions, weddings, etc., are supposed to last. I admit they will not stand shipping, but these remarks are for the florist who does a home retail business. There are a great many cannas grown that have small flowers, late or shy bloomers, with a weak, spindly growth. Why grow such rubbish? I will give you a list of the very choicest varieties best adapted for the purposes just mentioned. First I will give you the bronze or purple leaf varieties, of which there are not over a half dozen worthy of growing.

First I would recommend J. C. Vaughan, height 4½ feet, strong grower, large flowers, color a deep vermilion orange. Foliage is a deep purplish bronze with less markings of green than any other so-called bronze canna. The flower stalks are numerous and stand up well above the foliage; as many as 4 and 5 flowering trusses appear on one stalk, which makes a very striking show combined with the rich, glossy, purplish foliage. It will bloom more, and stand the dry weather better than any other canna I know of.

Egandale, height about 4 feet. Purple foliage with green veins, strong compact flower spikes; color a currant red. The finest bedding canna of its color, because of this harmony of leaf and flowers, and because of its brilliancy it can be seen the farthest either in sunlight or at dusk. It was awarded a medal by the World's Fair canna experts. This is a variety you should grow for large show plants in pots on account of compactness and habit of retaining its flower longer than most other varieties.

Gen. Dodds is a novelty of this year, and of great promise. Height 4½ feet, a strong grower, foliage a deep purplish bronze; color of the flower a deep vermilion slightly dotted with crimson spots. Flowers are of a large size and beautifully



FLORISTS' DELIVERY WAGONS.

reflexed, so much so that they almost form a curl, which adds grace and beauty to its appearance.

J. D. Cabos is another medal winner. Height $4\frac{1}{2}$ feet, leaves a purplish green shading to a bronze. A very strong grower, sending up numerous flower stalks; flowers are large and round, color distinct apricot. Its novel color makes it one of the most attractive cannas. These four sorts I am compelled to say comprise the list of the best large flowering bronze cannas. The list is small, but as you have no doubt noticed almost all the new cannas now being introduced are of the green leaf order, of which there are quite a number of good varieties. I will not undertake to describe them all, but give a few of the very best.

I will head the list with the canna Chicago, which is one of M. Crozy's seedlings, sold by him to J. C. Vaughan as number 107. This was shown and awarded a medal at the World's Fair, and was subsequently named Chicago. This is one of the best cannas of recent introduction. I have watched it growing for two years among all the newly introduced cannas of any worth. Chicago has dark green musa-like foliage, with leaves 9 to 10 inches wide; height 4 feet. The flower trusses and stalks stand well above the foliage; the color is a deep vermilion scarlet, smooth and without markings. The large flowers open out nearly flat, with petals $1\frac{1}{2}$ inches wide; they are five in number, in this respect outclassing all other cannas. The fifth petal adds greatly to the beauty of the flower spike. I have counted seven flower spikes on a stalk.

A few other seedling of M. Crozy's that were awarded medals at the World's Fair are Octave Mirabeau, M. Mesnier, Midway and Madame Alphonse Bouvier. Octave Mirabeau is of dwarf habit, 3 feet

high, light green foliage, long, wide petals, with compact trusses. Color a deep vermilion, painted with finely penciled lines of orange yellow and crimson. A most prolific bloomer and very striking and handsome. I can recommend this to make a grand pot plant.

M. Mesnier is a very striking and handsome canna, with dark green foliage; height $3\frac{1}{2}$ feet, a strong and sturdy grower. Flower large, color light salmon, slightly dotted and streaked with red, which is the deepest in the center of the flower. Petals are bordered with a narrow rim of yellow, which is irregularly wide on the ends, often $\frac{1}{4}$ to $\frac{1}{2}$ of an inch in width.

Midway.—This is undoubtedly the largest flower in cultivation, its petals being $1\frac{3}{8}$ inches wide, $4\frac{1}{2}$ inches long. Color is of a rich vermilion, slightly streaked with faint crimson lines. Flower spikes are large and compact, a strong grower and free bloomer; height $4\frac{1}{2}$ feet. The crimson streaks and splashings in the petals make a splendid effect on the background of scarlet. A first-class canna in every respect.

Madame Alphonse Bouvier is the queen of the yellow bordered varieties, height $3\frac{1}{2}$ feet, foliage green, streaked with a lighter tint. Flowers a deep vermilion tinted with dark crimson spots, banded by a wider golden border. The petals are ruffled and curled at the edges, which adds to its effect and beauty. It is a grand summer canna, standing the dry weather better than any other of its class. The color does not fade, and it can be recognized from all other cannas at a great distance.

A few others of Crozy's introduction of 1893, and classed with the best varieties, are Mrs. J. M. Samuels, J. Wilkinson Elliott and P. J. Berckmans; for lack of time

I will only give a slight description of them. Mrs. J. M. Samuels, height 4 feet, foliage green with purplish stems, flowers large and of a deep salmon, heavily dotted with crimson spots. A strong grower and very distinct. J. Wilkinson Elliott, height $4\frac{1}{2}$ feet, large and open. Petals long and broad, color a light vermilion, covered lengthwise with fine distinct crimson veins, slightly edged with yellow; a very strong grower. P. J. Berckmans is what I might call an improved Ehemanni. Height 5 to 6 feet, long, narrow green leaves edged with bronze. Flower spikes are compact and stand well above the foliage; a free bloomer, and large flowers. The color is a bright cherry red; the petals reflex in a graceful form.

Queen Charlotte is a good canna; green foliage and dwarf habit. Color a distinct rich crimson scarlet with a large gold border; petals round and curving, making a handsome plant.

Florence Vaughan I consider the highest type of canna flower, the petals being remarkably wide and rounded on the ends, of great substance and large size. It is the nearest approach to a yellow of such size yet attained, and though thickly dotted with bright red its general effect in a group at a distance is a rich orange yellow. Leaves are large and broad, and of a dark green; height 5 feet.

G. W. Childs, height 3 feet; this cannot be excelled on account of its dwarfness and prolific blooming for outside row in planting a canna bed. The flowers are nearly like Madame Crozy, but with more yellow on the throat and at the back of the flower. About two-thirds the size of Madame Crozy. The spikes stand well above the foliage and have a gladiolus-like appearance.

Chas. Henderson, height 4 feet, green foliage, color deep rich crimson, of good

substance and large flowering stalks. A grand canna if not for its late flowering habit. There are a great many other good cannas worth growing, such as Madame Crozy, Paul Marquant, Sec'y Stewart, Sophie Buehner, Alphonse Bouvier, Explorateur Crampbel, Paul Bruant and Admiral Gervais, of which I need not give a description.



Carnation Notes.

Many complaints are coming in that McGowan and some other sorts are going off in the field from stem rot. One case in particular is very bad; only five hundred left out of five thousand. Many lay this trouble to cutting bench fungus, which shows itself most after the plants are set in the field. I believe this trouble originates before the cuttings are placed in the sand, for cuttings taken at the same time from other sorts are now growing finely in rows adjoining those where the McGowans have died. In my opinion the affected plants were taken from weakened stock or plants the cuttings from which were in the proper condition to take hold of the disease recognized as cutting bench fungus. The only remedy I know of for this disease is, first to keep your plants in a healthy condition before the cuttings are taken. When the disease appears, throw out the affected plants as once, as the trouble spreads, not very rapidly, but fast enough to ruin your whole stock. If this disease appears to any great extent in your field it will be very risky business to house any of the variety in which it is prevalent. I have known this disease for the past fifteen years on many places, and wherever affected sorts were housed a considerable loss was sure to follow. I was formerly of the opinion that stem rot or cutting bench fungus, for we are told by scientific investigators that they are one and the same, was confined to varieties of carnations that had been forced for a long time; now, however, I find that some of the late introductions are subject in a like manner. It is a fact that certain unfavorable conditions inside will produce stem rot, but these conditions are not present at this time in the field. Therefore it will be well for every grower to watch well his growing stock, to throw out every diseased plant, and to note carefully the nature of the progress of all diseases from this time on. Do not leave it to memory alone, but have a memorandum book in which all points of interest can be noted.

July will soon be here; if you wish flowers in August and September stop pinching back at this time from a portion of your plants. As soon as the buds begin to show place some excelsior packing between the plants, and this will insure you of good clean flowers unless your patch is near a dusty road, and this should not be.

CHARLES H. ALLEN.

HOLYOKE, MASS.—The Holyoke Horticultural Society offers a premium for the best collection of native wild flowers; time and place of exhibition to be decided later; the object being to encourage a closer study of our native flora.

Herbaceous Plant Notes.

Alyssum alpestre is a very dwarf neat little plant, only a few inches in height, growing very compact, and the flowers, which are golden yellow, cover the whole plant during the month of June. This little plant is well adapted for a rockery or the front of the border, but should have the benefit of the full sun at all times.

Centranthus ruber, the red valerian, a good old plant, is useful for cutting; the panicles are produced very freely and continue to bloom from June to September. There are different shades of light and dark red, and also a pure white variety. It grows to a height of about two feet.

Thermopsis fabacea and *T. montana* are identical as much as I can see; bloom during June and July and grow to a height of 18 inches. The flowers are a pure golden yellow, produced in terminal spikes much like a lupin, but the racemes are looser and shorter. This plant is rarely seen, although very ornamental and distinct. The leaves are oval, borne three together on long petioles. It is very hardy and does not require any covering in severest winter.

Gillinia trifoliata (known in some places as *Spiraea trifoliata*, the leaves having some resemblance to a spiraea, but the flowers are entirely different), has been in bloom since the beginning of the month and will last well into July. The flowers are produced from the axils of the leaves along the stem as well as terminal, thus forming a loose panicle of pale pink or bluish spready flowers 15 to 18 inches high. They do best in a partially shaded part of the border.

Spiraea filipendula plena is an elegant thing for cutting; the sprays are so graceful and the color is an ivory white. It blooms in June and July and the flower stems, branchy or divided toward the top, are about two feet high, bearing numerous little round double flowers in panicked cymes. The leaves are pinnate and deeply serrated, much resembling some fern leaves. A very useful and ornamental plant, well worth a place in every collection. There is also a single flowering form which is very desirable for all purposes; it has a pinkish tinge on the under side of the petals.

Sagina or *Spergula pilifera*, the pearl wort, in compact little low tufts, covered with miniature star or pearl-like flowers of a pure white, will hardly be noticed by anybody if planted among other herbaceous plants, but on a rockery or at the extreme front of the border all will admire this little gem. The leaves are very narrow, linear, rather stiff and remain green in winter. There is also a variety called *S. p. aurea*, with golden yellow foliage, very useful for bedding. It blooms from June until August and grows only two inches high.

Dianthus plumarius, the old fashioned feathered garden pinks, are full of useful flowers just now, and will be for a month to come. The old white fringed pink is such a profuse bloomer that although we have other varieties with larger pure white flowers it is still grown in quantity everywhere for cutting, but other varieties and colors are not to be neglected; all are very sweet scented. Snow or Mrs. Sinkins and Her Majesty are both good large flowering pure white varieties, the old Pheasant's eye is a profusely blooming pink with darker center, Earl of Carlisle, a very double white, Juliette, white, laced with crimson, Laura Wilmer, white with deep crimson maroon center, Stanislaus, lilac rose and crimson center, and Prince Arthur, blush with a crimson cen-

ter. There are many others which I could name, but the above constitute a good collection of colors.

Pyrethrum roseum in its many varieties are now at their best, and every florist should have a large patch of them planted in the garden, for they are indispensable at this time of the year for cutting. They have long stiff stems and last well in water after being cut. The flowers have the shape and size of the German asters and are borne singly on the stems, flowering from June 1 to the middle of July, and if the plants are cut down after flowering many of them will bring a second crop of flowers in the autumn again. They form a compact erect bush with finely divided foliage, and once planted will last for years without any trouble. For the last six or eight years these plants have been gaining constantly in favor and are used largely in gardens, besides being used extensively as cut flowers. Many varieties of all shades from pure white, blush and pink to a bright magenta have been raised, and new colors are coming out every year, but old or new all are beautiful.

Pæonias of the Chinese class are nearly out in full bloom, and it is surprising that so few florists grow them in quantity. The ground occupied by them could not be planted to a more remunerative crop, we can sell all the flowers and also dispose of a good number of plants every season, and good varieties will fetch fancy prices, both the flowers and the plants. There are so many distinct kinds of all colors, and I shall not undertake to mention any of them, for all are good, especially the newer additions of late years, in which we find form, size, color and fragrance combined. Some varieties are earlier, others later, so we can have bloom all through June and July by a judicious selection. Hardly another class of plants can rival the pæonia in brilliancy of color, perfection and freedom of bloom. The first and second year after planting we cannot expect quantity or full size of the flowers, and this may be one reason why florists hesitate to plant largely, but after the second year the individual flowers will be all perfect in form and size, and the plants should not be disturbed too often. It is a good plan to plant rather close at first, and after three years to take up every other bush, divide and replant again in another part what is not sold of these divided plants. When again they become crowded another thinning will perhaps be beneficial; but the older the stools and the longer they are left alone the more perfect flowers will be produced.

Valeriana officinalis, the old common valerian, is fine for cutting and blooms June and July. The erect flower stems will attain a height of 2 to 3 feet, forming a loose corymbose panicle bearing a multitude of rosy white flowers. It may be planted by itself in the border or at the edge of the shrubbery, and will take care of itself after once being planted.

Dianthus arenarius is a lovely species, the petals are so much and so deeply divided and lacerated, giving a fringed feathery appearance to the flower, which latter is white in color. Grows to a height of 8 or 10 inches and flowers abundantly in summer. This is a fit companion to the formerly described Cheddar pink; it is, however, rather rare in this country.

Dianthus alpinus is of a deep rose color with a crimson central spot, the flowers are very large, solitary, but freely produced on stiff stems. June and July is their flowering time, and on account of its pleasing color and dwarf habit this



FLORISTS' DELIVERY WAGONS.

species should be grown more extensively; height 4 to 6 inches.

Erigeron aurantiacus is an old thing, but the deep orange yellow flowers, which are 2 inches across, are very showy, and no herbaceous border should be without it. They, however, like a rather moist position and will not do so well in a dry situation; 10 to 12 inches is as high as they will grow and they bloom from the beginning of June to the end of July.

Papaver orientale, the well known oriental poppy, is now in its full glory. The deep scarlet large flowers are very freely produced when plants get once well established, and they should not be disturbed for years. The back part of the border or the edge of a shrubbery is the place for them, where large masses of them will make a grand show while in flower. Many new and named varieties have been introduced in late years, some have the dark purple spots at the base of the petals very large, extending half way up the flower, others have extra large flowers of a deeper or lighter shade, while some are dwarfer in habit, etc.; 2 to 3 feet is as high as they will grow.

Papaver involucreatum maximum, another hardy very large flowering single poppy not often seen in collections, is of a vivid orange color, with pale purple spot at the base of each petal. The foliage has a glaucous hue. Not so coarse looking a plant as *P. orientale*, and continuing in flower for a longer period than that variety. Height about 18 inches. One variety has the petals edged white and is very handsome.

Papaver pilosum, another good large flowering species with dazzling scarlet flowers, the base of the petals being white instead of purple as in the foregoing varieties. A stately plant if planted in large masses either at the back of a wide border or in the shrubbery. Should be grown in every collection and will continue to bloom until the end of July. Height 1½ feet.

Spiræa Humboldtii is a much dwarfer variety than the near related *S. Aruncus*. The flowers are of the same feathery shape but smaller and finer, creamy white in color, and they last well as a cut flower. The foliage also is smaller and finer, the

whole plant growing only about 20 inches high. It comes in bloom about a week or ten days after *S. Aruncus*, and lasts well for a month in good condition.

Gladiolus communis is in full bloom now and may be planted permanently in the herbaceous border, for it is as hardy a bulb as a tulip or a narcissus, and I often recommended them to the entire satisfaction of purchasers. They may be left permanently in the ground and will bloom year after year. Both the white and the rose colored or *G. c. rubra* are very much liked as cut flowers, the spikes being slender and flowers more loosely arranged along the stem than in the fall flowering *gladiolus*. The height is less than 2 feet. They last for a week or longer after being cut. Flowering time June and July.

Gem atrosanguineum is a most desirable hardy plant beginning to bring forth its double ranunculus-like flowers early in June, and continuing all summer. The color is a glowing crimson, and the flowers are produced in succession on stiff long branchy stems. A stately plant for the border or for large beds, and very useful for cutting. The flower stems, which are freely coming up, will grow to a height of 15 to 20 inches and the foliage is imperfectly pinnate, the upper or terminal leaflet being the largest and broadest, while the lower ones are small and imperfect. This plant will undoubtedly become a very popular one when better known.

J. B. KELLER.

Rochester, N. Y.

Violets in Pots.

H. J., Providence, R. I., wants to know about violets potted now into 4-inch pots instead of 3 or 3½ inch and plunged outdoors, as recommended in *AM. FLORIST* of May 4, instead of planting in benches in fall, keeping them in the 4-inch pots. He also asks, would violets do in a carnation house, and should they have more than 40° to 45° to do well. In answering above question I would say that violets invariably will give better results if planted in a bed or bench; we have grown them in pots years ago, but then the pots must be sunk in the ground

to the rim, and this operation is more of a job than the planting out. I cannot see any advantage in keeping the plants in the pots, although occasionally a few may be sold when well flowered, but we seldom can demand more than the price of the flowers actually opened out on the plant. If, for some purpose, the plants are wanted in pots I should suggest growing them over summer in 3 or 3½-inch pots, and repot in fall into 4 or 4½ inch, giving them good rich soil to grow in, rather than to plant and grow them in the larger pot all summer. Then plunge the pots in some material, a solid bed of soil is best in my opinion, so as to keep the roots as cool as possible, for the violet is a spring flower and outdoors will produce the best and most perfect blooms while the ground is cool. As soon as our sun gets strong enough to heat up the soil around them the flowers grow smaller, and we should imitate these conditions as near as possible. It is not too late to pot violets by July 1, provided the plants are in good condition and well rooted now, for we have to keep them watered, and if necessary can shade them during very hot spells, which we would not take the trouble nor time to do to any stock planted in the open ground.

Violets and carnations will not very well go together; one or the other will have to suffer. Carnations want a little more heat and a little less ventilation. The violets would bloom there all right, but flowers will be smaller and the crop would not last throughout the winter, they are also more apt to become diseased. I would rather partition off the cooler end of a carnation house and grow the violets in that part. It will not hurt the violets if the house goes down to 40° of a very cold night, but we endeavor to keep up a temperature of 45° at night and 50° to 55° in day time, but at all times give plenty of air. Even in zero weather we keep a crack of air on the houses for a few hours in the day. Violets will bloom in a temperature of 40° to 45°, provided they get sunlight enough, but I prefer the higher temperature. So much has been written by our best growers on the culture of violets that our

friend H. J. will be able to find all necessary information if he takes the trouble of looking up back numbers of the AMERICAN FLORIST. J. B. K.

Trees and Shrubs at Washington.

Among the several kinds of flowering trees in our parks, and especially in the park surrounding the Capitol, none of them were more admired than the *Laburnum vulgare* or golden chain, which were covered with long terminal racemes of bright golden colored flowers during the early part of May. This plant was formerly called *Cytisus Laburnum*. It attains a height of about 25 feet and of rather slender growth. Thrives in almost any soil or situation. *Laburnum* is the old Latin name used by Pliny belonging to the order Leguminosæ, a genus comprising only three species of hardy glabrous or puberulous trees or shrubs, natives of Europe and Asia Minor. The species are readily raised from seed, which should be sown as soon as ripe, when allowed to get dry and hard. They should be steeped in hot water for a few hours before sowing; this will hasten germination.

Cladrastis tinctoria or *Virgilia lutea* is another very ornamental and attractive tree now in bloom about the parks. Though a native of Kentucky and Tennessee is not often seen on our lawns. Just where this plant derives its name does not seem to be definitely known. There are but a couple of species described and they are both hardy deciduous trees. *Cladrastis tinctoria* is a large growing tree, flowers white, drooping from the ends of the branches in paniced racemes. This species is now in flower at the Botanic Garden and in a few of the parks. It succeeds in ordinary soil and in most any situation, and is easily propagated from seed, which should be sown as soon as ripe, or they may lay in the ground a year before germinating.

Paulownia imperialis is another very attractive tree now in flower in our parks, and should be more extensively cultivated. It is a good shade tree, native of Japan, named in compliment to Anna Paulowna, Princess of the Netherlands, daughter of Emperor Paul of Russia. Its quick growth, large foliage and beautiful, pale violet fragrant flowers make it a very valuable and desirable tree. In habit it resembles the catalpa. It does well in any good soil, propagated either by cuttings or seeds. Flowers showy, appearing before the foliage is developed. The young plants can be used with good effect for sub-tropical decorating. REYNOLDS.

Philadelphia.

Conventions and school commencements have enlivened things considerably the past week. The men that wear diamonds, the plumbers, the men and women who hatch such wonderful stories about florists, flowers, and fortunes that are made out of them, the newspaper reporters, and those whose business it is at times to guide our footsteps, the dancing masters, all held conventions here this week. As they were all entertained royally there was considerable work for the florist. Hugh Graham had most of the decorations for the newspaper men, while H. H. Battles attended to the plumbers, he having a large job at the Walnut street theatre, where the convention was held.

The Florists' Club decorated the house of the Pen and Pencil Club, the local organization of newspaper men. Palms were placed about the building on every floor, and vases of cut flowers adorned

mantels, tables and other places wherever they showed to advantage; smilax and asparagus was also used on chandeliers, bannister rails and over-doorways. In addition large bouquets were presented to all lady visitors, and there were bouquonniers for the men.

Business generally has fallen off a great deal, and a walk through the fashionable district shows the house fronts all boarded up, with a small card tacked on the board at the bell pull with the post-office address. It is about the time of year to expect the exodus, but every season folks seem to go out earlier and stay later. City life appears to be changing the past ten years; the suburbs are becoming more thickly populated with people who formerly only stayed there during the summer. Quite a number of the fashionable city churches have had to consolidate in order to get full sized congregations.

The stock of cut flowers is quite equal to the demand. Outside Jacqs have not done so well this season, owing to the hot weather, although J. Heacock had quite a lot of good ones; they brought \$3 and \$4 per hundred. E. Lonsdale had quite a lot of Brunners, these were much the best outside stock; being such a strong grower, we think they should be produced with longer stems; perhaps a different method of pruning would accomplish this end. \$4 per hundred was the price of the Brunners, and many more could have been sold. Carnations are feeling the effects of the heat, and fakirs have at times refused to take them at 25 cents per hundred in large lots. From 50 cents to \$1 per hundred is about the market price.

Sweet peas from inside are about done. R. Eisenhart of Holmesburg cut 5,000 sprays in two weeks from 250 plants. This lot succeeded violets, being planted out from 3-inch pots in April; the seed was sown about January 15. Mr. Eisenhart is adding 3,000 feet of glass to his equipment, and will heat same with hot water under pressure.

Cannas are coming down in price; some very nice stock from 3-inch pots, 6 and 8 to a basket, was to be seen last week offered at 25 cents a lot retail.

Harry Michell, the secretary of the Florists' Club, who last week stole away so quietly with his bride, is to hold a reception on the 24th of the present month at his future home on 34th street. Harry is deservedly popular with the trade, and his increasing business is but the natural result of his industry and untiring efforts to please. We wish him and his bride a long and happy life.

Myers & Samtman have about finished their Della Fox carnation house; it is 200x21, a rather large house for such a little lady, but as great things are predicted of her it was thought best to be prepared.

John Burton is replacing two locomotive with two return tubular boilers. A new windmill is also in place. Things ought to move lively on the hill next season.

In H. A. Dreer's window on a background formed of insect powder is made with different colored powders, an imitation of a potato bug; around this is traced the names of the different powders in the colors of each; it makes quite an attractive advertisement.

Mr. W. F. Dreer, who left San Francisco on a flying trip to Japan last April, is expected to return about July 10; his trip was for health and pleasure. He is accompanied by his wife.

Mr. Ziebel of H. A. Dreer Co. will visit Europe for a six weeks' trip, leaving about July 20.

A grower in speaking about greenhouse construction said that 16x24 seemed to be the most popular size of glass used; it was the largest size in the second bracket, and notwithstanding the rumor that glass was going up he had been assured by a prominent dealer that it could be furnished as low as it had ever been sold for.

The move of the New York florists looking to the establishing of a market is on the proposed Phila. plan; we use the word proposed, as a market has been proposed here a number of times, but never got any further. The scheme, however, is the same as Messrs. Watson and others tried to establish here last fall; if successful in New York probably it may be tried here. The Phila. grower takes no risks; he may lose from not trying, but he would rather sizzle in the pan than take any risks of falling in the fire in trying to get away. K.

New York.

There was only a small attendance at the meeting of the New York Florists' Club, held Monday evening, June 10.

The committee on awards rendered their report, giving the rules which were to govern the exhibits of novelties to be made at the club rooms.

Mr. Robt. M. Grey, of Orange, N. J., read a paper entitled "Orchids, their cultivation and hybridization." This paper proved to be so interesting that many members took the floor to thank Mr. Grey personally for the valuable information which he had given them. It was regretted by every one present that there was not a larger attendance, as it was one of the most interesting papers that has ever been read at any meeting of the club.

Mr. James J. Dunn, of Rahway, N. J., one of our members who had just returned home from a visit to Bermuda, where he has been for his health, gave a very interesting account of his experiences with the lily growers on that Island.

Chicago.

The rose garden at Jackson Park is now gorgeous with bloom, and is well worth a trip to see. Some illustrations and notes will appear next week.

The heavy rain of last Tuesday night was the salvation of the parks and gardens. All vegetation has now taken a new lease of life. The lawns in the parks had already turned quite yellow in places before the rain came.

At the meeting of the Florists' Club last Thursday evening the trustees were instructed to secure a new lease of the hall for another year on the same basis as before, and the action at a previous meeting reducing the meetings to only one a month was reconsidered except as to the months of July and August. Only one meeting will be held in each of these months, but for the remainder of the year there will be two meetings a month, as heretofore.

Mr. J. S. Wilson read a paper on novelties in pot plants for the retail trade, which appears elsewhere in this issue, and for which he received a vote of thanks from the club. In the discussion of the paper Mr. Stromback said he had found canna G. W. Childs excellent under glass, but of no value outside. Referring to Clothilde Soupert rose, he had found it a splendid bedder, and it had been hardy with him for three years.

At the adjourned session the highest score was 219.

During the past week the supply of fairly good roses has not been equal to the de-



FLORISTS' DELIVERY WAGONS.

mand. Most of the roses are very poor, and there is quite a shortage of them. Average teas go at 1.50 to 3, but selected Meteors and Testout sell for 4. These varieties are good, so too are La France and Perles, but Bride, Bridesmaid and Mermet are miserable in quality. Carnations are still very plentiful, but there is not such a pronounced glut as last week. Prices vary from 25 to 50 cents, select 75, and fancies 1 to 1.50. Some very fair double stock is seen, and carnations generally seem a little better than last week.

Sweet peas from inside are nearly over, and the outdoor crop is not in; they keep at 50 cents, though poor. Outdoor roses seem unusually poor this year; even Jacqs are flimsy and badly colored. They all seem to be suffering from the drouth. Quite a lot of the old Mme. Plantier are sent in, and they sell quite readily, though at low prices; they are put up in bunches, four bunches for a quarter. City trade has been quiet, but there is a good shipping demand.

Boston.

The annual rhododendron show of the Mass. Horticultural Society, which was held on June 6 and 7 at Horticultural Hall, was as usual a splendid exhibition and afforded much pleasure to the public, the attendance being large and the display of the gorgeous flower from which the exhibition takes its name fully as extensive as heretofore, although there was some fear that the injury wrought by the recent severe winter would have an unfavorable effect on the show. The largest displays were from the famed rhododendron collections on the H. H. Hunnewell and F. B. Hayes estates. There were also smaller exhibits from John L. Gardner, Mrs. B. P. Cheney, S. J. Trepass and others. The rhododendrons and azaleas occupied the entire floor space of the lower hall, with the exception of the wall tables, which presented a brilliant array of pelargoniums, German iris, aquilegias, pyrethrums, pæonias and gorgeous Oriental poppies, the upper hall being half filled with the overflow, which it was impossible to accommodate in the lower one.

The collections of native wild flowers from various enthusiasts were very complete and interesting, also the hardy herbaceous flowers from the Harvard Botanic Garden, J. W. Manning and N. T. Kidder.

To James Comley of the Haves estate was awarded first prize of the H. H. Hunnewell fund, for twelve, and to S. J. Trepass first for six varieties respectively, of unquestioned hardiness. The set of twelve shown in this class by Mr. Comley comprised the following: *Caractacus*, *Roseum grandiflorum*, *Album elegans*, *Oculatum nigrum*, *Everestianum*, *Roseum elegans*, *Album triumphans*, *Maculatum*, *Lady Armstrong*, *H. W. Sargent*, *Delicatissimum* and *Atrorubrum*. Another list worthy of preservation is that of twenty-five varieties, mostly new and untested, which were exhibited by Mr. Harris, gardener to H. H. Hunnewell, as having gone through the past winter safely without protection. This group includes *Kate Waterer*, *Minnie*, *Mrs. Shuttleworth*, *Countess of Normanton*, *Queen*, *Lady Clermont*, *Lord John Russell*, *H. H. Hunnewell*, *Lady Rolla*, *Rosabelle* (a gem), *Chas. Bagley*, *Lady Grey Egerton*, *Princess Mary of Cambridge*, *St. Simon*, *Isaac Davies*, *Mrs. A. Hunnewell*, *E. S. Rand*, *Mrs. Ingersoll*, *Mrs. T. Wain*, *F. D. Goodman*, *Sefton*, *Mrs. Chas. Thorold*, *R. S. Holford*, *John Waterer*, *Mrs. J. Clutton*, *Marshall Brooks* and *Lady Crossley*. To John L. Gardner was awarded second prize for twelve, and to Mrs. B. P. Cheney second for six as above. The Hunnewell exhibits were not entered for competition.

In hardy azaleas James Comley and T. C. Thurlow were the chief exhibitors. The latter showed a collection of seventy named varieties. The mollis section was conspicuous by its absence, the show being too late for these, but the Ghent azaleas were unprecedentedly good. Hardy flowering trees and shrubs were well represented in the collections shown by James Comley and Alice Grinnell. Rivaling the rhododendrons in the popular admiration were the two splendid tables of orchids in bloom from Mrs. F. L. Ames and John L. Gardner, well flowered *Cattleya Mossiae* and *miltonias* predominated in both collections. In the Ames collec-

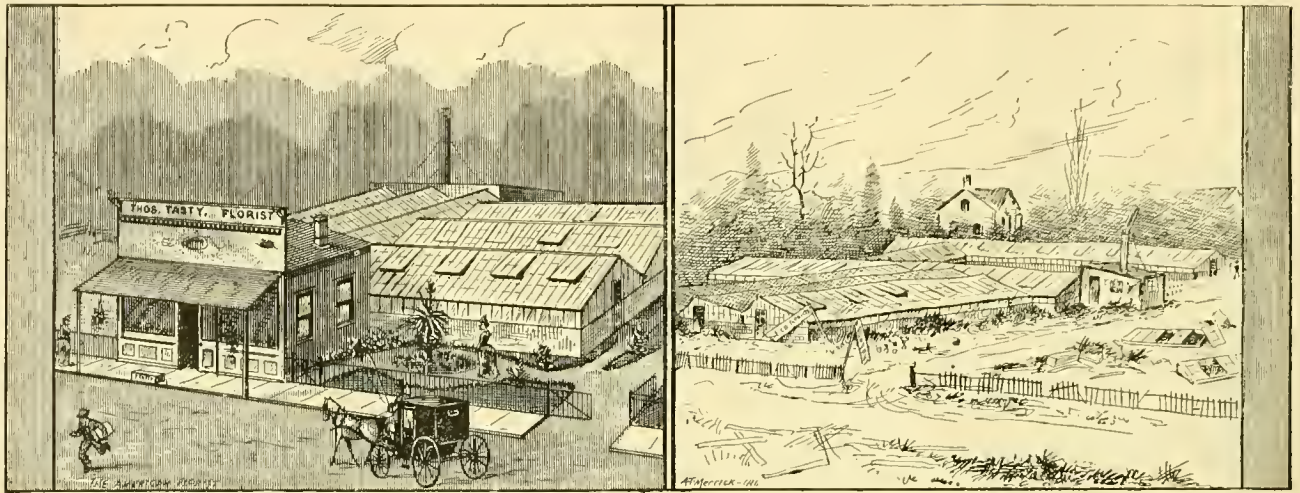
tion was the lovely *Miltonia vexillaria* *Amesiana*, besides several other new and rare things. There was an interesting group of cut flowers from Mrs. Ames, among which were Java hybrid rhododendrons *Ophelia*, *Monarch* and *Scarlet Crown* and *Aristolochia gigas* *Sturtevantii*, the latter receiving a certificate of merit.

Trade in the florists' stores is reported as generally dull. Prices rule very low on all kinds of flowers, and the end of the season is plainly seen. The big public school graduation order is the only event of importance ahead and most of the prominent florists are figuring on getting a slice of it. Outdoor roses have not begun to come in yet, but a few warm days will bring them forward in quantity. Indoor roses average very inferior as to quality. Carnations are very good for the season, but in over-supply and prices almost unquotable, and the street urchins are having quite a picnic with them.

Plant dealers without exception report the best spring trade within their experience. On pansies this has been especially true. Mr. Zirngiebel, who leads in this specialty, states that he has had scarcely time to breathe since the season opened and that a huge pile of letters from correspondents brought out by the illustration of his heating apparatus in the *AMERICAN FLORIST* remain as yet unanswered for lack of time, but he expects to get them attended to long before there is any danger of freezing.

By the death of an uncle in England the Bindloss family come into possession of a fortune amounting to \$250,000. The heirs, eight in number, include J. Palmer Bindloss of New London, Conn., and Mr. and Mrs. W. H. Elliott of Brighton, Mass. Some people are born lucky and others achieve it. The latter is true of Mr. and Mrs. Elliott, who are cousins, and thus strike it double. Mr. Elliott and his boon companion N. F. McCarthy are talking of taking a trip to Europe this season.

The Gardeners' and Florists' Club will have a concert and strawberry festival in Horticultural Hall on the evening of June 24, in which the ladies and children will



Thos. Tasty reports business as very satisfactory.

Sloppy & Co. report "There's nothing in the business any more."

THE REASON WHY.

participate, and a very pleasant reunion is anticipated. The club has received an invitation from the New England Agricultural Society through Pres. Francis H. Appleton to take part in the annual fair of that society, which will be held at Portland, Me., on August 27-30.

On Monday, June 9, a number of the local fraternity spent a most enjoyable outing at Ed. Hatch's famous cottage "The Breakers," at Scituate. Mr. Hatch himself was the special guest on this occasion, other guests being Messrs. John Burton, W. K. Harris, John Westcott of Philadelphia, and W. F. Sheridan of New York, who arrived in town opportunely on their way to the Maine trout woods.

The recently published report of the Boston park commission shows that the expenditures for park construction since 1875 up to the present time have been \$6,824,498. For park land, construction and betterments there has been expended \$12,309,279. The completion of the Parkway now gives a continuous drive from the Public Garden to Franklin Park. Extensive improvements are in progress at the Marine Park, South Boston.

J. S. Powers, formerly employed in the florist business in Boston, has been arrested on the charge of passing a worthless check.

Buffalo.

With the exception of a few weddings the store trade is reported as generally dull. The extreme hot weather is sending in carnations in too large a quantity to be profitable, and we hear of ridiculous prices of the same on the markets, 30 for 15 cents, and a dozen thrown in if you are good looking. It is most likely their last dying effort, and we look for a very much decreased supply in a few weeks. Roses are suffering with the torrid climate, but there is a fair supply of better quality than usual at this time of year. Paeonies are with us with all their robustness, and sell well; anything for a change. All outside flowers are suffering with the unprecedented drouth. The oldest inhabitant (I interviewed her yesterday) declares that in recollection of 43 years she remembers nothing like this. Hay will be \$40 per ton and other food in proportion.

A very enjoyable and instructive meeting of the club was held on Tuesday last at the residence of W. J. Adams. After the

routine business and a discussion on the spring plant trade, Mr. Adams introduced a vocal quartette, whose melodies charmed the crowd, and made us forget for an hour at least that there were a dozen flower beds to be filled which had been promised a week ago.

There is going to be a lively fight over who shall represent Buffalo for the bowling prizes at Pittsburg. I trust they will settle it amicably and decide to let the best men bowl regardless of all else. The Spaulding cup is within a few feet of my elbow, while I write, and as I look round occasionally I can almost see it vanish into the hands of a Keppler, Grant or W. K. Harris.

Mr. W. Mott gave us his usual bi-monthly visit, and reports business on his trip as good; that is refreshing to hear. We were also very much pleased to see among us again Harry Bunyard. His severe and long illness seems to have left his vivacious spirits unimpaired. The only thing he seems to have lost is his hair, and that's unfortunate, for his close resemblance to a young pugilist who was lately warned to leave the town almost led to an embarrassing occurrence.

W. S.

Cincinnati.

There is little to be said of business of the past week. The market has been overstocked with cut flowers of all kinds, and no demand. There has been some work for weddings and school commencements, but the general trade has dropped down almost to a summer basis. With the exception of the mildew on the foliage the roses have been fairly presentable and not over-plentiful. Prices remain about the same as last week. Paeonies sold very well this season and are now about over. Valley is about gone. There is quite a demand for sweet peas, white going particularly well the past week.

In the plant line trade has been a little dull, but stocks are now low, the best having been sold. Some beds and vases are still being planted, but that class of work is practically ended, and florists are busy planting out their carnations, violets, etc., and getting their rose houses in shape for another season's business.

Have any of the florists noticed the tendency of the Daybreak to fade in hot weather? If cut and placed in water it

holds its color, but when fully expanded in the bright sunshine it fades. This shows that no flower is perfect at all times.

Wm. Hobbs died last week after an illness of a few days of neuralgia of the heart. Mr. Hobbs was 53 years old, and single; he was a good grower and well liked by all the florists who knew him.

Ernst Mauthy of St. Bernard is putting up 3 fine houses; he intends to grow mostly bedding plants.

P.

Watering Adiantums.

We would like to ask through the columns of the FLORIST if it is harmful to water the fronds of Adiantums Farleyense and cuneatum, or should each plant be watered with the watering pot, so as not to get any water on the foliage? T.

A little water on the foliage of these adiantums will do no harm in bright weather, providing the fronds dry off before night, and to ensure this condition it is preferable to water the adiantums in the morning, say from nine to ten o'clock. The watering pot provides the most satisfactory method of watering for these plants, though in the hands of a very careful man the work may be properly done with the hose, while careless watering of A. Farleyense will result in much injury.

W. H. TAPLIN.

Greenhouse Building.

BATAVIA, N. Y.—New York Central R. R., range of plant houses.

BELFAST, ME.—W. E. Hamilton, commercial house, 14x63.

HACKENSACK, N. J.—Red Towers Greenhouses, extensive additions.

UTICA, N. Y.—A. Whitten, six commercial houses, each 20x200.

MADISON, N. J.—H. McK. Twombly, grapery, vegetable and plant houses.

SARATOGA, N. Y.—The Thayer-Porter wedding, which took place here June 5, was quite a big affair. The bride's bouquet was made of white orchids and Adiantum Farleyense; those of the bridesmaids, eight in number, were composed of lily of the valley and tied with Nile green ribbon. The bouquets were made by Jas. Delay.

Indianapolis.

The regular meeting of the Indianapolis Florists' Club was short but interesting. Mr. Parker reported on the much agitated cemetery question that something of interest would turn up at the next meeting. He cautioned us to get as many names to the petitions as possible. The discussion brought out the fact that the prohibition of plants seemed to be in the interest of certain persons connected with the business of furnishing flowers to the cemetery. Mr. Walker made a humorous apology for the absence of so many professional florists at the meetings. The usual \$10 award was offered for the capture of flower and plant thieves; the new park commission also offers a reward for the same purpose.

Mr. Langstaff read a paper on "Soils for greenhouse purposes." It was instructive and created considerable discussion. After the short meeting refreshments were served, keeping the members together in social intercourse until late. The attendance was good.

The regular June meeting of the club was held Wednesday, June 5, at the club rooms, Pres. Hartje in the chair. One new member was taken up. The cemetery matter was again postponed on account of the committee not being present. The state meeting of the chrysanthemum show committee will probably be held July 3. The annual picnic came up for discussion; a committee of two was appointed to select place and time for holding same. A communication was received from the Noblesville, Ind., Floral Society, requesting some of the members' attendance at the annual floral parade and picnic. About 5 volunteered to go; the parade will occur June 11.

Mr. J. J. B. Hatfield read a paper on "Propagation, artificial and natural." Some interesting facts were stated by the gentleman; explanations from a scientific standpoint were very instructive, and showed that he had studied the subject thoroughly.

John Hartje is finishing one house 18x132 for roses.

Chas. Wheatcraft is building one house 18x80 for roses.

Mr. Edward Cornelli is making arrangements to move to the outskirts of the city, his lease being about run out. He has been in his present location about 15 years.

Decoration trade was reported fair, but on account of the extreme heat and drouth, flowers withered terribly. No such heat has ever been experienced in May before. Trade averaged cheap prices. Spring plant sales were satisfactory. The heat and dry weather continue, if no relief comes soon, everything in the fields will perish.

Young & Sonnenschmidt are adding 2 houses 20x100, short-span-to-the-south, for roses. W. B.

News Notes.

FARIBAULT, MINN.—Wm. Wachlin lost his only son, aged 26 years, last week.

LONDON, ONT.—McGill Bros., nurserymen, have made an assignment to Alfred Robinson.

DES MOINES, IA.—We had a glorious rain June 10, the best we have had in three years.

CANON CITY, COL.—Mrs. M. B. Wray is about to close up her business here and will retire from the trade.

CHICOPEE, MASS.—Dexter Snow, the well known horticulturist, died suddenly June 10 of heart disease, aged 71 years.

SPRINGFIELD, MASS.—The Amateur Horticultural Society will hold a rose show at Union Armory on June 18 and 19.

ARROYO GRANDE, CALIF.—J. S. Brooks suffered almost total loss of his entire place by fire last winter; very little insurance. He expects to start up again next fall.

NEW BEDFORD, MASS.—F. H. Pasell has three houses of carnations in magnificent condition just now. The varieties are Fisher, Daybreak, Tidal Wave, Mangold and Portia.

FARMINGTON, CONN.—Hugh Chesney has built two new houses of cypress, one 100x20 feet for carnations and one 100x10 for violets, heated by Scollay boiler, glass 16x24. Trade is good; prices same as last season.

LEBANON, PA.—D. Hammond Mish is building two $\frac{3}{4}$ span houses, 100x20, one for carnations, the other for roses. These houses are in South Lebanon, a short distance from the older houses, which will be used for palms and other plant stock.

MONTGOMERY, ALA.—W. B. Paterson (Rosmont Gardens) is doubling his glass, and will have 4 houses 20x100 heated with Scollay boilers. The houses will be used for general stuff, roses, carnations and "mums." Hugh M. Seals, formerly with Currey & Co. of Nashville, is manager.

PORTLAND, ME.—A wave of brotherly love struck Portland on Tuesday, 10th inst., in the shape of three Philadelphians, W. K. Harris, John Burton and John Westcott, who in company with W. F. Sheridan of New York and W. J. Stewart of Boston stopped here a few hours as guests of J. A. Dirwanger. The party were bound for Lake Kennebec, and were well provided with fishing tackle and bait of all kinds. Mr. Dirwanger accompanied them to the lakes.

THE ADDRESS of the DeLamater Iron Works of New York City will hereafter be 467 West Broadway instead of 87 South 5th avenue. The change of address is not due to removal but to a change in street arrangements by the city authorities.

DO YOU WANT a complete alphabetical list of chrysanthemums in commerce in America, with class, and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—By florist and gardener, all round man. References. C. C. care Am. Florist.

SITUATION WANTED—As assistant in greenhouse by young man; 15 years' experience. Address A. D. care American Florist, Chicago.

SITUATION WANTED—At once, by competent florist and gardener; good all round man; single; German; middle age. Address GARDNER, 473 N. Sixth St., Philadelphia, Pa.

SITUATION WANTED—By a young German gardener; 21 years old; 5 years experience in Europe. References from Royal Gardens, Vienna. Private place preferred. Address D. G. care Am. Florist.

SITUATION WANTED—By German florist, 20 years experience. Specialties cut flowers, Easter and show plants. Prefer first-class retail establishment. No family. Willing to take a place for a few months on trial. Address L. M. care W. Sabrnsky, Keaton, O.

SITUATION WANTED—By single Englishman; 25 years' experience with orchids, stove, greenhouse and flowering plants, in private and commercial places, landscape work and floral decorations, and capable of managing a first-class all round place; steady and sober. Address care Am. Florist office, 67 Broadfield St., Boston.

WANTED—2000 feet second-hand 1-inch steam pipe. PATRICK O'CONNOR, Box 433, Youngstown, O.

WANTED—Perlis tremula and Perlis argyrea 2 and 3-inch pot plants. Address N. A. & NEINER Louisville, Ky.

WANTED—Second-hand hot water boiler to heat 60 to 80 feet 4-inch pipe. Hitelbigs or Weathered preferred. R. C. FRANK, Beardstown, Ill.

WANTED—Reliable, sober man with good references, for growing roses, carnations, mums, and general stock. State wages wanted with board. DAVIS & BARRD, Dixco, Ill.

WANTED—A young man as helper among roses, carnations and greenhouse work. Must be good worker and reliable. State wages, etc., to Wm. KIRKHAM, Maywood, Ill.

WANTED—A number of large palms for decorative purposes. Must be healthy and in good shape. Address B. A. BUTLER, 525 Main St., Niagara Falls, N. Y.

WANTED—A man that understands growing ferns, plus carnations, violets and chrysanthemums. Must be well recommended. Address IRA G. MARVIN, Wilkes-Barre, Pa.

WANTED—A florist, one who understands all about general greenhouse culture and roses and carnations. For particulars address H. H. Box 872, St. Clair Co., Marlee City, Mich.

WANTED—At once, a first-class florist. Must be a good designer and decorator. One who can grow palms and a general lot of plants and cut flowers. German preferred; of good habits and appearance. Must be a hustler. Good wages to the right party. Address with reference S & B, care American Florist, Chicago.

FOR SALE—Second-hand florist's refrigerator, used one year, in perfect condition, at reasonable rate. Address J. J. McMANNON, Lowell, Mass.

FOR SALE—Three greenhouses: two 50x18, one 50x14, shed 15x50, built 2 years. Pots and bedding stock. Near four cemeteries; lot 300x150, on electric line. Reason for selling, had health. Address R. MITCHELL, 144 S. Meridian St., Indianapolis, Ind.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. Within 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business well established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address MARY A. McCLINTOCK, Administratrix, W. F. DARBY, her attorney, Harrisburg, Pa. Steelton, Pa.

FOR SALE OR RENT.

My greenhouses on North Western Ave., Chicago; 15,000 or 30,000 square feet of glass. Plenty of stock. For particulars address A. T. JACKSON, Station X, Chicago.

FOR SALE OR LEASE. Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINCORN, Dubuque, Ia.

FOR SALE.

Six miles from Boston Flower Market. Four greenhouses, 3 years old, with 20,000 square feet of land; chance for three good house lots without touch of shading greenhouses; close to railroad depot; 25 trains daily each way. Two houses 12x75 one 3x30, other 12x40, connected by 4 1/2 ft. shed. Hot water heating. City water. Price \$12,000. Address

A. M. care American Florist, Boston Office.

Assignee's Sale.

By virtue of a DECREEAL ORDER, made and entered of record in the County Court of Cook County, for the sale of the property and effects of the estate of Joseph T. Anthony, an insolvent—NOTICE is hereby given, that sealed bids or proposals for the purchase of all and singular the goods, fixtures and assets of said estate (exclusive of moneys, credits and outstanding accounts) and which consists of Greenhouses, situated at No. 3425 Prairie Avenue, Chicago, Ill., and the entire Floral and Horticultural Stock therein contained, all tools and implements used in the business, including horses, wagons, etc., will be received by the undersigned at his office, No. 3425 Prairie Avenue or at the office of his attorney, George Sawin, Room 35, Howland Block, 154 Dearborn Street, Chicago, Ill.

An inventory of said property can be seen and full particulars given by calling upon either of the said persons.

Bids to be enclosed in sealed envelopes, addressed to either said Assignee or said Attorney and such envelopes plainly marked "Bids for Stock." Bids can be received as late as 4 o'clock p. m., June 28th, 1895, and will be opened by said County Court, Saturday, June 29th, at 10 o'clock a. m., should said Court be in session. If said Court is not in session at the above named hour, said bids will be opened at the first session thereafter at the same hour, at which time said bids will be acted upon by said Court.

Inspection of said stock is invited.

JOSEPH A. MERRIFIELD, Assignee of Estate Insolvent of Joseph T. Anthony. GEORGE SAWIN, Attorney, Room 35, Howland Block, 154 Dearborn St.,

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

The Society of American Florists.

Preparations for the eleventh annual convention of the Society of American Florists are progressing favorably, and the indications are that the meeting will be fully equal to any of its predecessors in interest and value. There are some new features which are relied upon to make it a most notable occasion. The attendance from the Middle and Central States should be very large, as the location is very central, and arrangements have now been made whereby special excursion rate of one and one-third fare for the round trip has been secured for all those attending the convention.

Members of the Society and those desirous of becoming members may remit the annual dues (\$3) to the secretary, Wm. J. Stewart, 67 Bromfield street, Boston, Mass., at any time prior to the meeting, thereby avoiding the inconvenience of paying during the confusion of the opening day. The badge for 1895 will be mailed to those who remit in advance of the meeting. Preliminary programs will be ready about July 1, and will be forwarded by mail to all members of the society and also to interested applicants.

Rochester, N. Y.

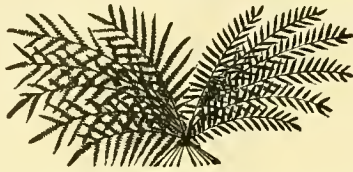
Trade has improved but little since last report, but retailers are kept moderately busy with funeral work and an occasional little wedding. Outdoor flowers are getting to be very plentiful, especially iris, paeonies and hardy roses; the latter are very fine, but if the dry hot weather should continue a few days longer we may expect a decline both in quality and quantity. Tea roses coming in are all small; there is no choice stock to be had, and carnations also show the effect of hot weather in size and color. For some days they have been a glut in the market. Sweet peas that have not had the benefit of a few hours' soaking in water before shipping do not arrive well, and growers should bear this in mind.

Bedding out is nearly all done, and the sales of such stuff from this time forward will not amount to much. Altogether spring sales of plants have only been satisfactory to a few of the growers, those who have been able to sell out clean; prices were so very low that large quantities had to be disposed of in order to show a profit worth mentioning. The wholesalers perhaps made the most out of it, the smaller concerns having the hardest time to make both ends meet. In conversation with one of our leading nurserymen, discussing the low prices, that gentleman claimed that prices of nursery stock at wholesale were comparatively much lower than those we obtained for bedding stuff, saying that there was an

ELLIOTT'S ASPARAGUS PLUMOSUS NANUS.

The finest Decorative material grown. Graceful, durable and appropriate.

FOR JUNE WEDDINGS many thousands of yards will be used. This stock is grown to perfection in extensive houses specially constructed for this purpose, and can be shipped long distances without injury. PRICE PER STRINGS, 8 TO 10 FEET LONG, 50 CENTS.

WM. H. ELLIOTT, Brighton, Mass.**Hardy Cut Ferns,**

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON

overstock of all the leading fruit and ornamental trees, as well as shrubs and roses, which could not be disposed of at any price, and that this spring thousands of dollars' worth of first-class stock had to be burned up. Two year old roses were sold at the low figure of \$2 per 100, pears and apples as low as 2 to 3 cents. At such prices it does not pay to dig them up, but the land has got to be cleared, and they rather take the small pay than to burn them up. The only way for these men would be, it seems to me, to do the same as the leading florists have done for years, grow specialties, and it may after all pay them to plant anew.

The assignee of E. R. Fry announces the sale of fixtures, stock, etc., to take place on Saturday, June 15, at 11 o'clock.

J. B. K.

St. Paul.

There is nothing new to report in the way of trade, as business is rapidly settling into the ordinary routine of summer work. Beds and vases are about all planted, and the bulk of the florists' stock disposed of. The cut flower trade remains good on account of commencements, weddings, etc. The market is not overstocked and the quality is still good. Outside roses have not made their appearance to any extent, though another week will bring them into full bloom. The past few days have been wet, and heavy showers have started the weeds to growing. The earth was so dry, however, that it could take up an unlimited amount of moisture, so there has been no damage done so far.

The greenhouses of Mr. Fred Busch in Minneapolis are now filled with cucumbers and tomatoes and are worth seeing. His large new house, a description of which was given in a recent number of the FLORIST, is well under way, and will be completed in about six weeks. Mr. Busch will plow the soil the same as for an outside crop, and as every inch of space will be utilized, the advantage of such a house will be apparent to all who read a description of it. As regards ventilation Mr. B. claims there will be more than enough. In his other houses constructed on the same plan he finds that a slight opening of the ventilators is all that is necessary. In fact great care in ventilation has to be exercised all of the time, or the vines will blight badly. When his new house is completed Mr. B. will have upwards of 75,000 square feet of glass, all devoted to the vegetable industry. That the business is a profitable one is evident on every hand. At the same time, constant care and watchfulness have to be exercised, and every detail has to be punctually attended to.

FELIX.

DARIEN, CONN.—Alexander Wuerz, who has just started as a grower for the New York market, is adding a new house 20x100, and a potting shed 12x20.

H. L. SUNDERBRUCH,
Wholesale Florist4TH AND WALNUT STREETS,
Cincinnati, O.**DAN'L B. LONG,**
WHOLESALE CUT FLOWERS,495 Washington St., BUFFALO, N. Y.
SHIPPING ORDERS CAREFULLY ATTENDED TO.
OTHER SPECIALTIES:
Florists' Supplies, Wire Designs, Bulbs,
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WHOLESALE
Cut Flowers & Florists' SuppliesWIRE DESIGNS.
1402 PINE STREET,
St. Louis, Mo.**C. A. KUEHN,**

(Successor to ELLISON & KUEHN.)

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

WISCONSIN FLOWER EXCHANGE,
CUT FLOWERS, PALMS, FERNS.

We believe the list of stock we offer to the trade in the above line of specialties to be the finest and most complete made by any firm in the northwest. If you have not received our June quotations, please notify us.

WISCONSIN FLOWER EXCHANGE,
MILWAUKEE, WIS.**JULIUS LANG,**

(Formerly with THEO. ROEHR.)

Commission Dealer
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WHOLESALE,

53 West 30th St., NEW YORK CITY.

The Boston Flower Markets prepared to purchase, on order, and
ship Trade orders for Cut Flowers at
prices ruling in the market on day of
sale. TERMS STRICTLY CASH.Address **JOHN WALSH, MANAGER,**
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 183."

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E. H. HUNT,
WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS.
 SEEDS, BULBS AND ALL
 FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and FLORISTS' SUPPLIES.
 34 & 36 RANDOLPH STREET,
 CHICAGO.

T. J. CORBREY,
 Wholesale Commission Florist,
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If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
Wholesale Florist,
 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

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WHOLESALE CUT FLOWERS,
 34 & 36 Randolph Street,
 PHONE MAIN 223. CHICAGO.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. CHICAGO.

Our Roses best them all, in quality.
 Headquarters for fine American Beauties.

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
 Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
 CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
 WHOLESALE

COMMISSION FLORISTS,
 41 Wabash Avenue,
 Telephone Main 320B. CHICAGO.
 Consignments solicited. Prompt attention to all orders.

Cycas Leaves. FRESH CUT
 each 75c.
VAUGHAN'S SEED STORE, P. O. Box
 688. Chicago.

Wholesale Markets.

Cut Flowers.

NEW YORK, June 11.

Roses, Perle, Hoste, Cusin	1.00@2.00
" Mermet, Watterville, Brides	1.00@3.00
" Bridesmaid	1.00@3.00
" La France	1.00@3.00
" Testout	1.00@3.00
" Meteor	1.00@3.00
" Beauty	5.00@20.00
" Jacqu, outdoor	.75
" Moss per bunch	50@1.00
Carnations	.25@.75
" fancy	1.00@2.10
Valley	2.00@3.00
Harrisli lilies	6.00@8.00
Mignonette	1.00@4.00
Sweet peas, per 100 bunches	.75c
Corn flowers	.50
Sullax	25.00
Adiantum	1.00
Asparagus	50.00

BOSTON, June 11.

Roses, Niphotos, Gontler	1.00@2.00
" Perle, Sunset	2.00@3.00
" Mermet, Brides	3.00@6.00
Carnations	2.50@1.50
Valley	3.00@4.00
Longiflorum	6.10@8.00
Mignonette, Stock	1.00@2.00
Paeonies	2.10
Pansies	.25@.50
Adiantum	1.00
Sullax	20.00@25.00
Asparagus	50.00

PHILADELPHIA, June 11.

Roses, large teas	3.00@4.00
" small teas	2.00@3.00
" Beauties	10.00@25.00
Carnations	.50@1.00
Asparagus	35.00@50.00
Valley	3.00@4.00
Cattleya	25.00@35.00
Sweet peas	.35
Sullax	15.00@25.00

CHICAGO, June 13.

Roses, Beauties select	15.00@25.00
" seconds	8.00
" Large teas	1.50@3.00
" Meteor, Testout	3.00@4.00
Carnations	.25@.75
" fancy	1.00@1.50
Valley	3.00
Cornflowers, per doz. bunches	.50@.75
Gardenias	1.50@2.00
Sweet peas	.50
Paeonias	8.00
Sullax	15.00@20.00
Adiantum	.50@1.10
Coreopsis	1.00
Gladolus	8.00

BUFFALO, June 11.

Roses, Beauty	15.00@25.00
" Mermet, Brde, Bridesmaid	3.00@4.00
" Meteor	3.00@4.00
" Perle, Hoste, Cusin	3.00
Carnations, long	1.00@1.25
" short	.75
Sweet peas	.50
Valley	3.00
Sullax	15.00@21.00
Adiantum	1.25
Asparagus	50.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART.
Cut Flowers and Florists' Supplies
 WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS
 JOEBERS IN
 FLORISTS'
 SUPPLIES,
 FLORISTS'
 VASES.
 METS,
 BRIDES,
 GONTIERS,
 CARNATIONS,
 ALWAYS ON HAND.
 84 Hawley Street,
 BOSTON, MASS.
 HORTICULTURAL AUCTIONEERS.



SAMUEL S. PENNOCK,
Wholesale Florist
 REAR OF 42 S. 16th STREET,
 Philadelphia, Pa.

Always mention the American Florist when writing to advertisers.

THE LEADING FAVORITES:
American Beauty,
Bridesmaid,
Meteor,
Testout.
 And all other desirable roses, grown especially for first-class trade.
BURNS & RAYNOR,
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 49 West 28th St., NEW YORK

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Cut Flowers,
WHOLESALE
 43 W. 28th St., NEW YORK.

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 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application.
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Careful Shipping to all parts of the country.
 Price list on application.
JAMES PURDY,
 WHOLESALE DEALER IN
CUT • FLOWERS,
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FINE ROSES
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THEO. ROEHR'S,
 WHOLESALE
FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

WELCH BROS.,
Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

The Seed Trade.

American Seed Trade Association.

The thirteenth annual meeting of the American Seed Trade Association was held at the Russell House, Detroit, Mich., last Tuesday, Wednesday and Thursday. The following were present:

John H. Allan (Jno. H. Allan Seed Co.), Picton, Ont.; C. L. Allen, Floral Park, N. Y.; W. W. Barnard, Chicago; F. W. Barteldes, Lawrence, Kans.; C. S. Brent, Lexington, Ky.; Alfred J. Brown, Grand Rapids, Mich.; G. S. Brown, Grand Rapids, Mich.; G. H. T. Hopkins (Jno. H. Allan Seed Co.), Picton, Ont.; D. I. Bushnell, St. Louis; John T. Buckbee, Rockford, Ill.; Frank C. Bruce (John A. Bruce & Co.), Hamilton, Ont.; Howard M. Earl (W. Atlee Burpee & Co.), Philadelphia; A. N. Clark, Milford, Conn.; E. B. Clark, Milford, Conn.; Irwin B. Clark (O. W. Clark & Son), Buffalo; W. E. Cratz and Henry Cratz (Cratz Bros.), Toledo, O.; A. D. Heffron (A. Dickinson Co.), Chicago; W. Eber, Quincy, Ill.; Frank T. Emerson (Western Seed and Irrigation Co.), Waterloo, Neb.; C. S. Burge (S. W. Flower & Co.), Toledo, O.; Frank Ford, Ravenna, O.; W. H. Grennell, Pierpont Manor, N. Y.; John T. Huntington (Huntington Seed Co.), Indianapolis, Ind.; Alex Rogers (Illinois Seed Co.), Chicago; Chas. N. Page (Iowa Seed Co.); Des Moines, Ia.; O. E. Mueller (Kentucky Seed Warehouse), Lexington, Ky.; Col. W. S. King (Northrup Braslan, Goodwin Co.), Minneapolis; S. F. Leonard, Chicago; W. D. Livingston (A. W. Livingston's Sons), Columbus, O.; W. Brotherton (Brotherton, Breitmeyer & Co.), Detroit; Aug. Mangelsdorff, Atchison, Kans.; Harry McCullough, Cincinnati; J. Chas. McCullough, Cincinnati; Wm. Meggatt, Wethersfield, Conn.; M. H. Durvea (Henry Nungesser), New York; Edgar Stracosch (Northrup, Braslan, Goodwin Co.), Chicago; Sam'l. M. Pease (Cleveland Seed Co.), Cape Vincent, N. Y.; John S. Pearce, London, Ont.; Henry Philipps, Toledo, O.; F. R. Pierson, Tarrytown, N. Y.; Fred S. Plant (Plant Seed Co.), St. Louis; Robt. Rennie, Toronto, Ont.; J. C. Robinson, Waterloo, Neb.; Otto Schwill, Memphis, Tenn.; H. A. Johns (Sioux City Nursery & Seed Co.), Sioux City, Ia.; Herman Simmers, Toronto, Ont.; S. E. Briggs and J. W. Hogg (Steele, Briggs Seed Co.), Toronto, Ont.; Robert George (Storrs & Harrison Co.), Painesville, O.; James Kidd (Sunset Seed and Plant Co.), San Francisco; A. G. Trumbull (Trumbull Seed Co.), Kansas City, Mo.; A. L. Don (Weeber & Don), New York; T. W. Wood (T. W. Wood & Son), Richmond, Va.; W. S. Woodruff (S. D. Woodruff & Sons), Orange, Conn.; S. D. Crosby, New York; S. G. Courteen, Milwaukee, Wis.; R. L. Burge (Churchill & Co.), Toledo, O.; John B. Merrill (Merrill & Co.), Toledo, O.; Geo. W. Hill, Detroit; C. F. Lohrman (Lohrman Seed Co.), Detroit; L. L. May, St. Paul; Thos. Craig (Gillett & Hall), Detroit; F. T. Caughy, Detroit; H. P. Winter, Glenville, O.; Mr. Kendall, Cleveland, O.; Wm. Philipps (Henry Philipps Seed Co.), Toledo, O.; W. B. Hoyt (Cleveland Seed Co.), Cape Vincent, N. Y.; F. G. Johnson (A. W. Livingston's Sons), Columbus, O.

Officers elected for the ensuing year are S. E. Briggs, president; T. W. Wood, 1st vice president; Alex. Rogers, 2nd vice president; A. L. Don, secretary and treasurer; Executive Committee: D. I. Bushnell, W. P. Stokes, S. D. Crosby, Irwin B. Clarke, S. F. Leonard.

The following new members were elected: R. H. Shumway, Rockford, Ill.;

H. G. Courteen, Milwaukee; L. L. May, St. Paul; Cratz Bros., Toledo; Merrill & Co., Toledo; A. C. Kendel, Cleveland, O.; W. Hill, Detroit; F. T. Caughy & Co., Detroit; S. D. Crosby, New York.

The papers read at the sessions were specially practical and valuable and brought out a great deal of discussion. They included the following: "Experimental stations; their influence, relations and bearings on the seed trade," by John S. Pearce, London, Ont.; "Grasses, their use and suitability on different soils," by T. W. Wood, Richmond, Va.; "Rot in onion sets, how caused and how to be avoided," by O. E. Mueller, Louisville, Ky.; "System of keeping stock," by S. E. Briggs, Toronto, Ont.; "Why types run out," by C. L. Allen, Floral Park, N. Y.

Appropriate resolutions were adopted on the deaths of R. A. Robbins and R. Niles Rice.

On Wednesday afternoon and evening the members of the association and their friends were the guests of D. M. Ferry & Co. About 3 p. m. the party, numbering about 150, embarked on a steamer chartered for the occasion, and enjoyed a delightful trip up the Detroit River to the St. Clair flats. On the return an elegant collation was served on the boat. Mr. Ferry as host made a very lappy address of welcome, thanking the association for complimenting Detroit by holding their annual session there, and adding that the association could always depend upon the firm of D. M. Ferry & Co. to do their part in carrying forward its work when called upon. Col. W. S. King responded on behalf of the association, thanking Mr. Ferry for his open handed hospitality and the good will shown toward the organization. He was followed by Mr. T. W. Wood, Mr. Thos. Craig and others. The party returned to the city about 9 p. m. all having greatly enjoyed the day.

Philadelphia Notes.

Mr. and Mrs. Wm. Henry Maule sailed for Europe on the Teutonic. They intend to be gone two months, and will spend most of the time driving through England. William Henry takes things easy. Business has been very good indeed, and, thanks to his efficient assistants, he says he won't be bothered with letters from the office while he is abroad.

Mr. Burpee will probably sail for Europe on July 6 by steamer Columbia to take a long needed rest. Mr. B. is a hard worker, as all seedsmen know.

Some of the Philadelphia seedsmen have already decided on their 1896 catalogue covers, and are actually sending copy to the printers. Nothing like being out on time!

It is rumored that Robert Scott & Son will abandon their mail trade, their wholesale and cut flower department having proved more profitable.

Two or three fall catalogues will also be suppressed. It appears that this branch of the mail trade is only profitable in one or two quarters.

A. B.

MR. W. T. HUTCHINSSailed for England on the 12th inst. He expects to spend a good deal of time with Mr. Eckford and to call on others doing special work in sweet peas. He will also visit France and Germany.

R. NILES RICE, founder of the house of Jerome B. Rice & Co., Cambridge, N. Y., died June 10, age 81 years.

MARSHALL H. DURVEA, of Henry Nungesser & Co., is making a trip through the west.

Worcester, Mass.

This hot weather is gradually closing up the season, so far as the florist is concerned and the lucky ones who toil not are seeking sea or mountain to while away the tedious summer months. Business is dropping off rapidly, an occasional wedding and now and then a batch of funeral work is about all that keeps us moving. Flowers are very plentiful; outside hybrids, iris, candytuft, etc., helping to swell the daily supply; no material change in prices is noted.

The weekly shows of the Horticultural Society commenced Thursday, June 6, and will continue until October 24, the show last week was exceptionally good, and the competition was close in nearly all cases. There were some splendid displays of iris, azaleas, rhododendrons and cut flowers from bardy plants and shrubs, brilliant masses of color acting as a setting for the more modest hued pansy, begonia and cut flowers. The displays of native flowers were very fine and the competition so close as to make judging no easy task. Much interest is shown in wild flowers just now, nearly all the schools devote an hour or so each week to them, being supplied with fresh specimens by Arta Pierce.

A. H. L.

Dried Mushrooms.

There is a French story of some travelers in Africa who, while on an exploring expedition, ran out of supplies. By chance they came upon a native hut, but it was empty and the only visible edibles in it were several strings of mushrooms suspended from the rafters to dry. For lack of anything better or more substantial they stewed these and made a meal of them. After awhile the owner of the hut, who was a powerful native chief and warrior, returned from a hunting expedition and having greeted the explorers in a friendly manner set up a wild howl of despair.

"What is the matter?" asked the explorers.

"They are gone. My evil spirits have stolen them," wailed the chief.

"What are gone?"

"Those, those!" shrieked the chief, pointing to the cut cords on the rafters.

"Why, no evil spirits took them," said the explorers. "We ate them."

The chief seized his stomach in both hands and rattled the bones inside his skin. "Ate what?" he gasped.

"Those dried mushrooms."

"Oh! suffering Moses!" roared the warrior, or words to that effect, "why, you fools! you've eaten the ears of all the enemies I killed in battle."—*The Collector.*

WOODSTOCK, ONT.—Sales this spring were 20% larger than last year. Harry Millward is opening a flower store, the first in town.

WE HAVE A CROP OF 2,000,000



FREESIA REFRACTA ALBA.

And MUST dispose of it. We book up to July 1st. Well matured, fine Bulbs, ½ to ¾ inch and over, per 100, 50 cts.; per 1000, \$3.50; per 10,000, \$32.00; per 50,000, \$150.00 Delivery included in these prices.

LONGIFLORUM EXIMIUM—CHEAPER and better than Harisii. TRY THEM.

CALLA ETHIOPICA, LITTLE GEM CALLA. Send for our new Price List.

10 per cent. discount on all orders booked up to July 1st.

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HYACINTHS, TULIPS, DAFFODILS, NARCISSUS, LILIES,

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IMPORT PRICES
ON ALL
FALL BULBS
NOW READY.
Seasonable
Deliveries
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Every Item.

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NO DISEASE
among the Longiflorums from Japan.

Why not try some of these instead of the Bermuda stock? Cheaper and no disease. I can deliver by Oct. 1st if I hear from you at once. Three sizes, 5 to 7 in., 6 to 8 in. and 7 to 9 in.; guaranteed 75 per cent. single crowns, and Delivered on Time, if I hear from you at once. Let me figure on your other wants in the bulb line.

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SCARLET DUC VAN THOL	\$ 2.50	MURILLO, bluish	\$10.00
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POT FEBAKKER, white	10.00	LA CANDEUR, white	4.00
YELLOW PRINCE	7.00	HYACINTHS.	
YELLOW CHRYSOLORA	7.00	MIXED	15.00
BELLE ALLIANCE, scarlet	4.00	SECOND SIZE, all varieties	20.00
KEISERS KROON, red and yellow border	7.00	FIRST SIZE, all varieties	40.00
DUC VAN THOL, red and yellow border	2.50		



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Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co., Philadelphia, Pa.

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Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
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FINEST OF BULBS
AT LOW RATES.
Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.
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VERBENAS

In bud and bloom. per 100 per 1000
 MAMMOTH bushy plants..... \$3.00 \$25.00
 GENERAL COLLECTION bushy plants.. 2.50 22.00

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AMERICAN BEAUTY, fine, clean,
 healthy stock, 2 1/2-inch..... \$8.00 \$75.00
 3-inch..... 10.00 95.00
 HYBRID PERPETUAL, fine young fall
 propagated, 2 1/4-inch..... 5.00 45.00
 Strong 5 and 6-inch in bud and bloom... 25.00

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 " 3-inch " strong and bushy.... 5.00
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 \$4 per dozen
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 HELIOTROPE, 2 1/2 and 3-inch pots. . . \$3 and 5.00
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 CANNAS, Mme. Crozy, Creole and 6 other varie-
 ties, strong dry roots..... 4.00
 P. ANDANUS UTILIS, 5 and 6 in. pots, \$8 & \$9 per doz.

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THE FINEST STOCK AND SE-
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New and Rare Plants for the Stove, Green-
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 Send for illustrated catalogue.

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\$1.50 per 100; \$12.50 per 1000.

A few PORTIA, AMERICAN FLAG, and EDNA
 CRAIG, at same price. All others sold out.

Guaranteed stock, well-rooted, free from disease,
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PALMS, FERNS and ORCHIDS

Specialties.

SHORT HILLS, NEW JERSEY.

PANSY SEED.

The finest American strain. Ready June 25.

150 EXTRA FINE HYDRANGEA OTAKSA, in bloom,
 from one to six heads, from 10 cents to 50 cents each.

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Roses, Carnations, Chrysanthemums and
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You will benefit the American Flo-
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Per 100

From 2-inch pots..... \$1 50

ALTERNANTHERAS.

AUREA NANA, 2-inch pots..... 1.50
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 \$1.25 per 100; \$10.00 per 1000.
 WM. SCOTT, \$2.50 per 100. All other varieties sold
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Field-grown plants, ready in September.
 Send for prices.

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 rist when writing to advertisers.

St. Louis.

Trade in the cut flower line during the past week was very good. Roses are very poor and very few coming in, and the demand for them is good. Retailers come early in order to get first in line. Sweet peas are plentiful and in good demand.

In my last letter I stated that we would not have a flower show. But the florists got together and held a meeting at Kuehn's commission store, and voted to have a show next November in the name of the St. Louis florists; the Florist Club will have nothing to do with the show. The attendance at the meeting was very large, some thirty florists being present. A committee of 4 was appointed to make arrangements and report at the next meeting next week. The committee is as follows: E. H. Michel, chairman, F. C. Weber, R. F. Tesson and E. Schray.

The Retail Florists' Association of St. Louis met at the store of the Chandler Floral Co., and adopted resolutions. There was a large attendance present and great interest was shown by all florists. They will meet again next Tuesday.

Two of the fakirs have left us and we hope the rest will follow at once. We are making it too hot for them. The fakir says if they can't buy their flowers in St. Louis they will send to Chicago for their supply. Now if the Chicago wholesale florists will not sell to them they will help us out, and the retail florists of St. Louis will not forget them. We hope that all cities will take the same stand we have taken. The following florists have signed the resolution declaring they will not buy flowers from commission men or growers who sell supplies to the street fakirs: Chandler Floral Co., F. C. Weber, J. M. Hudson, Sanders & Beneke, North Floral Co., Cannon Floral Co., Riessen Floral Co., Ostertag Bros., Ayers Floral Co., Luther Armstrong, Lindell Flower Store, Wm. Oughton, T. Badaracco, Mrs. Rotter, F. W. Bruenig, Mary Ostertag, Mrs. M. L. Newman, C. E. McCormick, Thomas E. Carroll, Elleards, C. E. Schoenle, August Kunz, W. L. Hucke.

Chas. W. McKellar representing E. H. Hunt, Chicago, was a recent visitor, and reports trade good all along the line. Mr. Wm. Bouche made a very fine job of Terrace Park; some fine bedding and lettering can be seen all over the ground. Mr. Bouche is a candidate for superintendent of public parks.

Frank Fillmore (our Frank) has been very busy lately with funeral work, and reports trade good even if it is hot.

J. W. North made a large ship four feet long and five feet high, presented to a dry goods man leaving for Europe.

A grand bowling contest occurred June 13, between the "Japs" and "Chinese" teams. The winners will represent St. Louis in the bowling match at the convention, and as both teams want to go to Pittsburg excitement is intense.

J. J. B.

New Fuchsia LITTLE BEAUTY. 50,000. Now Ready. The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100. **BEGONIA Odisa**, from 2 1/2-in. pots, \$1 per 100. **GERANIUMS**, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$4.25 per 100. Cash with order. Special price on large quantities. **LINCOLN I. NEFF**, Florist, 4010 Butler Street, Pittsburgh, Pa.

ALTERNANTHERAS.
P. MAJOR, Red. A. NANA, Yellow.
Several thousand, at \$2.00 per 100.
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for next Fall's shows, and for cut flowers, pot plants, etc. Here is a partial list. They are in prime condition for shipping.

Lady Playfair.....	\$10.00 per 100	Major Bonington.....	\$ 6.00 per 100
Mrs. Craige Lippincott.....	5.00 "	Mrs. Jerome Jones.....	5.00 "
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NOT REMNANTS OF SPRING STOCK, but nice young plants grown especially for this purpose, and in varieties sure to produce fine blooms. **Send us a list** of the varieties you need, for prices. Delivered any time up to August 15th. If you want dwarf varieties for low houses, we shall be pleased to send a list of such. Or will furnish list of

EARLY MID-SEASON and LATE SORTS as your needs may be.

If you want a choice selection for Exhibition we will advise you of the best. Our stock of present year Novelties is very complete.

ORDER EARLY and SECURE THE BEST VARIETIES.

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We are now sending out a very fine lot of Cannas in strong, well-established plants in 3-inch pots.

REMEMBER these are not freshly divided plants out of moss or soil, but well established in 3-inch pots and will make a display at once.

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Any of the above varieties, 75c. per dozen; \$5.00 per 100; \$45.00 per 1000. Well established plants from 3-inch pots. Queen Charlotte, 50c. each; \$5.00 per dozen.

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PALMS.
150,000 of all the leading varieties.

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50,000 of leading varieties.
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Direct Import, fresh quality. Per 100 Per 1000

Areca rubra.....	1.00	7.00
Ceonomia gracilis.....	3.00	25.00
Chamærops humilis.....	0.50	4.00
" arborescens..	0.75	6.00
" canariensis..	0.60	5.00
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" robusta.....	1.00	7.50
" elegans.....	1.00	7.50
Phoenix rupicola	1.50	12.50

BRAHEA FILIFERA. Per lb. \$1.00; per 10 lbs. \$7.50

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Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.

\$. \$. \$. FOR DOLLARS.
MME. F. BERGMAN is the best early white to date. Price from 2½-inch pots, \$4.00 per 100.
YELLOW QUEEN, best early yellow, 2½-inch pots, \$4.00 per 100. Fifty other good market sorts from 2½-inch pots, \$3.00 per 100.
Special price on large quantities.
SMILAX, from 2½-inch pots, strong, \$2.50 per 100; \$20.00 per 1000. Send for Catalogue.
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INTERRUPTUM AND AUREA.
FARFUGIUM and ASPIDISTRA.
Write for prices.
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JUNE OFFER. Per 100
ALTERNANTHERA, red and yellow, 2½-in. pots \$2.00
GERANIUMS, assorted, 2½-inch pots . . . 2.75
COLEUS, 2½-inch pots . . . 2.00
FANSIES, 1.00
SMILAX, assorted, 2½-inch pots, 2.00
ROSES—Mermets, Brides and Bridesmaid . . . 3 00
CASH WITH ORDER.
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MRS. THEODOSIA B. SHEPHERD,
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Crower of RARE SEEDS, BULBS, PLANTS, CACTI and SUCCULENTS.
Takes contracts to grow all kinds of stuff in quantity.
SPECIALTIES:
Seeds of New Cosmos, Chrysanthemum, Ipomea Heavenly Blue, Begonia and Nasturtium. Send for trade list. Mention American Florist.

SURPLUS STOCK
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Alternantheras, Coleus, Echeverias.
All choice plants.
WILL SELL THEM CHEAP.
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Plants at Half Price.
Per 100
FANCY CALADIUMS, 2½-in. pots, 2 to 4 leaves, good assortment \$ 6.00
AMPELOPSIS VEITCHII, 2½-in., 3 to 4 ft long.. 2.00
CAPE JASMINES, 2½-in., in bud and bloom..... 3.00
MYROSMA CANNÆFOLIA..... 12 00
CYPERUS ALTERNIFOLIUS, 4-inch..... 8.00
Address F. J. ULBRICHT, Florist,
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Our great specialty of RICH BASKETS for Commencement and Class Days merits the attention of every florist who would keep up with the times.

ORDER NOW.

Wheat Sheaves and Metal designs in variety, and prices that cannot be duplicated elsewhere in this country.

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Florists' Supplies of Every Description,
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WESTERN HEADQUARTERS FOR
BRAGUE'S FERNS.
New Crop Fancy and Dagger
NOW READY.



Cycas Leaves.
OUR NATURAL
Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at
40c, 45c, 50c, 60c,
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Florists' Supplies.
23 & 25 N. 4th St., PHILADELPHIA, PA.
Send for Catalogue.

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Manufacturers of
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2 AND 4 DOMINICK STREET,
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AMERICAN FLORIST CO.,
P. O. Drawer 164. CHICAGO, ILL.

Toronto.

Bedding out has been progressing merrily this last week, the weather having been propitious. There is still much to do however, before the finishing touches are put on. The great bulk of the planting out has been done fully a week or ten days later than usual, owing to the extreme spells of hot and cold weather. The plant trade has been fairly good, with prices perhaps a trifle better than last year. I hear less talk about "cutting," which it is to be hoped is a sign of good times returning.

Mr. J. Simmons has moved from Carlton street to 426 Yonge street. Mr. Smithers and another whose name I forget will give up their stores on Yonge street. The Fleming estate (also on Yonge street) I have already reported as being about to give up business.

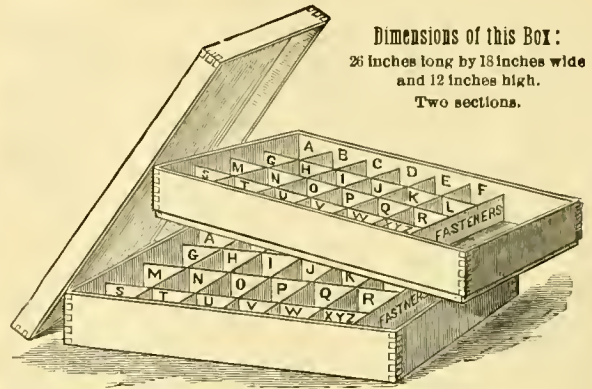
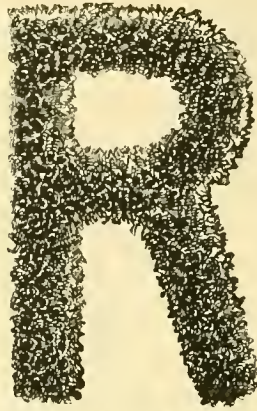
Mr. F. Schuyler Mathews' paper "Hints about art in gardening" is most timely and the best and clearest thing I have seen written on the subject, it should be read and thoroughly digested by every gardener, it is a pity that the bosses should not see it too. What is a poor gardener to do when the boss comes out to look round after the bedding is done, and standing before a handsome bed of musas, cannas, curculigos and such like says "Gardener, I think that is very ugly; couldn't you take those things up and plant coleus or geraniums?" This actually took place here in a seven acre square as flat as a pancake. Mr. Mathews' next paper will be eagerly looked for.

The Commissioner of Parks and Gardens of this city is just now in receipt of a good deal of spiteful criticism through the papers and otherwise from some members of the profession. I say "spiteful criticism" advisedly, because these would-be critics show it so plainly by their writings and sayings. The pettiness of the matters criticized is one clear proof that it is not the benefit of horticulture they are after but that it is the commissioner personally they wish to injure. It is often said that the commissioner seeks only his own glorification; this may or may not be, but at any rate he has made his position from that of a park foreman to what it is, and has through great difficulties (which any one who has had anything to do with city councils will understand) elevated most of the parks and gardens from mere deserts to real parks and gardens. One cannot gain glory without doing something to earn it, and we want men in our profession here who do something and "get there." Supposing that these critics gained their apparent object of getting the commissioner out of his position (of which I have no fear) what benefit to horticulture would they have accomplished? Most probably some political hack or ward politician would get the job regardless of efficiency.

A. H. EWING.

MOUNT DORA, FLA.—With frequent rains our spring weather has been unusually favorable for growth, and nursery stock of citrus trees and semi-tropical plants, which was frozen to the ground by the severe blizzards of the past winter, is coming out rapidly from the roots. Budded orange groves of all ages were generally killed below the bud, but in most cases are putting out new shoots from the old stem at or near the ground. Seedlings fared but little better; on these in a few cases some of the larger wood has been saved.

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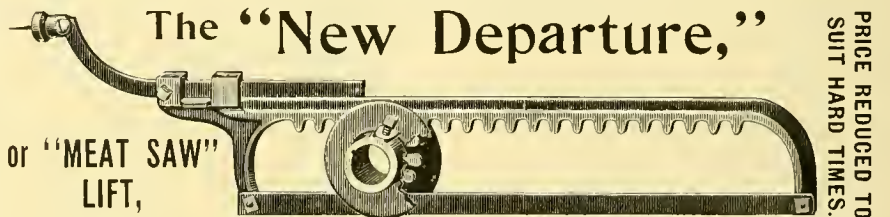
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- The Henry Philipps Seed and Implement Co., Toledo, O.
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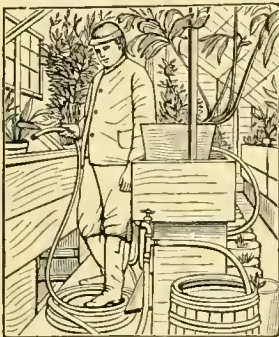
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Yours truly,
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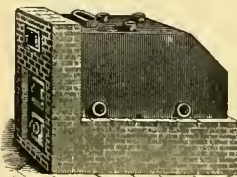
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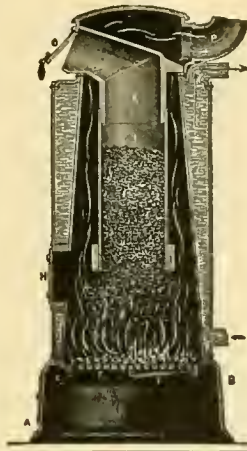
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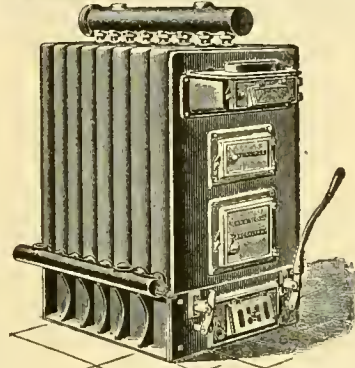
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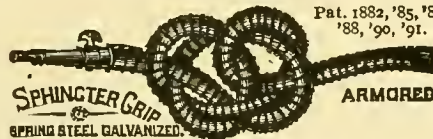
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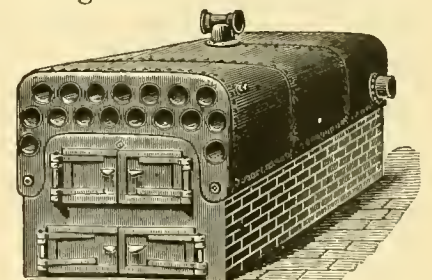
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New Notes.

DEEP CREEK, VA.—Chas. H. Weiss has gone into business here, his establishment being styled Forest View Greenhouses.

MT. HEALTHY, O.—Robt. A. Van Horne is erecting commercial greenhouses here, with the intention of entering the business.

INTERLACHEN, FLA.—All are now busy engaged in cutting down frozen orange trees; some are budding in the roots, while others are waiting for the young sprouts to bud into. Roses are blooming freely.

COLUMBIA CITY, IND.—Wm. Kelsey of the Riverside Greenhouses has formed a partnership with Geo. E. Butchart, and the firm will be known now as Kelsey & Butchart. This firm is erecting another new house, 26x50.

ALHAMBRA, CAL.—Capt. Gray, proprietor of the Ingleside Nurseries, will erect new modern greenhouses during the summer to be devoted to ferns. He will probably use crude oil for fuel, it now being developed in large quantities in and around Los Angeles.

SAN LEANDRO, CAL.—J. W. Van Horn has given up the nursery section of his business and will devote his place entirely to raising flowers for the San Francisco market. He has two houses devoted to roses and carnations, and will add another rose house 18x60 this summer.

OVIEBO, FLA.—In this immediate vicinity the freezes of last winter put an end to both nursery stock and nursery trade. No new fruit orchards are being set out, and most of the young orange groves have been abandoned. Orange trees from ten to twenty years old will make a good recovery and ultimately be as good property as ever, but new groves will not be set out till the old ones have again paid dividends for a few years.

SAN DIEGO, CAL.—Mr. Robert H. Asher has started into growing bulbs and plants at La Mesa, near San Diego. He is the son of the oldest nurseryman in San Diego county and has had some experience as a collector. His sister at El Cajon valley is interested in the same business. Mr. Geo. F. Otto, formerly with Miss K. O. Sessions, has a well-kept place at National City and makes frequent trips to San Diego with loads of plants. He maintains his mail address at San Diego. A French gardener, recently from Chicago, is making plans to start in the plant business in San Diego.

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Send for price list and samples and we know you will give us an order. SYRACUSE POTTERY CO. OFFICE: 403 North Salina Street, SYRACUSE, N. Y.

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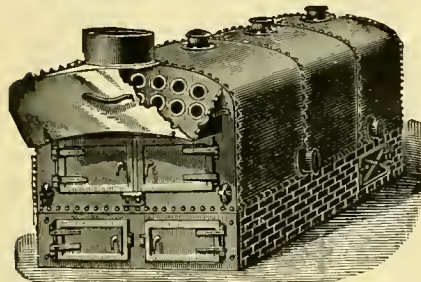
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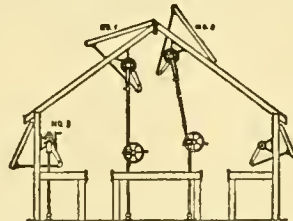
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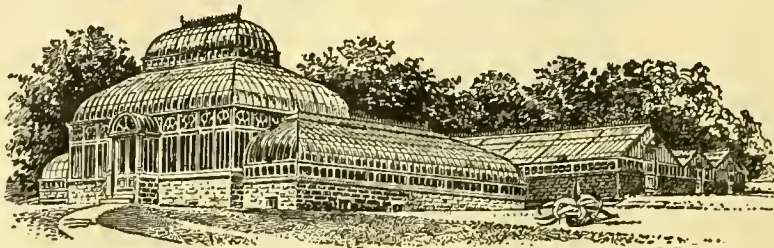
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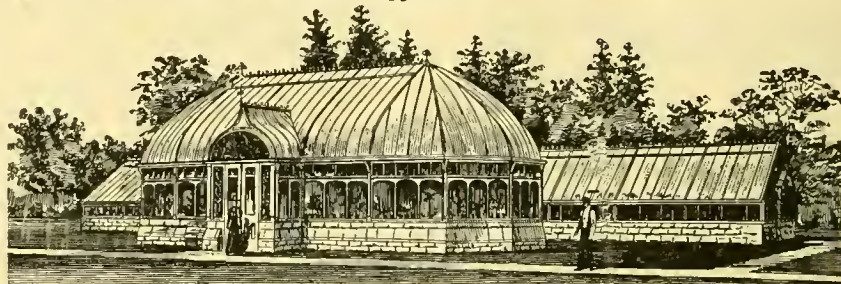
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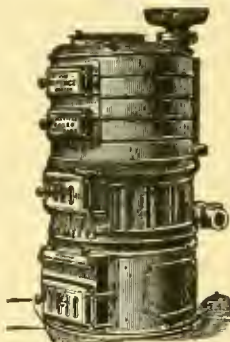
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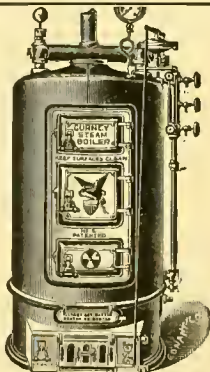
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Vol. X.

CHICAGO AND NEW YORK, JUNE 22, 1895.

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OUR NEW YORK and Boston news letters had not come to hand at time for going to press.

SPRINGFIELD, ILL.—Work has commenced at the fair grounds on the foundation for the dome of the World's Fair horticultural building. The contract price for the dome delivered and set up on the grounds here is \$68,000.

CHICAGO.—Mr. J. W. Hogg of Steele, Briggs & Co. of Toronto is in town. At the next meeting of the Florist Club a paper on "The florist of the future" will be read by Mrs. Emily T. Royle. The florists of the city should not fail to visit the rose garden at Jackson Park while at its best.

Herbaceous Plant Notes.

Campanula glomerata is opening its clustered heads of blue bell-shaped flowers on the main or middle stem now and will send out branches or new stems, which bloom in succession until September. It grows 12 to 15 inches high, and is well worth a place in the border. Campanula barbata is pale blue in color, the flowers are produced in loose panicles through June. It is 12 to 15 inches high and makes one of our best plants for the rockery or for planting on dry banks. Campanula carpathica, both the dark and the light blue and pure white varieties will bloom from June to August and are neat and compact in habit. The flowers are produced on slender wiry stems and stand upright, rather open bell-shaped, disposed on very loose panicles about 10 inches high. The plant is of dense, compact growth, very floriferous and covers the ground completely over. One of the most popular border plants we have. Campanula Medium, the true Canterbury bells, is opening its numerous flowers now all along the stems, and the racemes will be clothed with the purple, blue, white or pink bells until the end of July. Height about 12 to 18 inches. Not an herbaceous but a biennial variety, but surely a favorite border plant with all, especially the different shades of pink and rose. Campanula persicæfolia, the single and double white and blue, are all out and are very much liked as cut flowers. Good strong plants will after being well established send up straight stout panicles over 2 feet in height, clothed with the pretty little bells, which open in succession until the end of July. One of the finest border plants and useful as an ornament as well as for cutting.

Enothera glauca Frazerii is golden yellow and a most abundant bloomer. The flowers are large and come in clusters on the tips of the branches, buds forming as the branches elongate. A grand show plant for the border, blooming from June to October freely and attaining a height of about 12 to 15 inches.

Platycodon grandiflorum, the Chinese bellflower, is opening its large rather flat bells on the tips of the stems and branches now, and no collection should be without it. There are blue and white; both are excellent, and if planted in large masses rather close together they will produce a grand effect in July. Plants, however, should be old and well established to flower profusely and give best results, newly planted patches are rather weak the first and second year and do not hold up their flower stems erect. Height 18 to 24 inches. Platycodon g. Mariessii is a newer addition, and in every respect equal to the type, bearing flowers of a large size, a light blue in color.

Arenaria loricifolia is a small low alpine plant with numerous minute white flow-

ers, blooming in June, and will last 6 to 8 weeks. A good thing to plant among rocks; the leaves are narrow and thin and shaped almost like a larch leaf, and the plant only grows from 4 to 6 inches high.

Spiræa lobata or venusta is a tall growing beautiful species, old stools of which will grow to a height of 6 feet, but usually half that height only will be attained under ordinary circumstances. The flowers are very handsome, of a soft rosy pink with a peculiar salmon shade, and come in large flat terminal clusters borne on long stiff stems. This is very much admired as a cut flower, and deservedly so; they flower June and July. Spiræa astilboides and S. a. floribunda are both fine for cut flowers; of a creamy white, and the long graceful feathered panicles are very lasting when placed in water. The first named grows to a height of about 2 feet, while the latter has a more dwarf and compact habit. Both are capital plants for the mixed border, and last about 6 weeks in perfection. Spiræa palmata, of a dark brilliant pink in compact panicles, blooms from June to August, and is a most beautiful variety not very common in collections. The bright color, the freedom with which the flower stems are produced and the neat habit of the plant make it one of the most desirable of the tribe. Height 18 inches. Spiræa p. elegans is a newer variety of the above and bears white flowers with pink stamens; is a most elegant acquisition.

Achillea ptarmica fl. pl. and its sport, "The Pearl," is one of the best and most useful white flowering plants for the florist; the flower heads or corymbs are everlastingly coming along from June to late autumn, and large quantities of flowers may be gathered daily from a comparatively small patch. The small double flowers are set closely together on the terminal points of the stems and resemble a small flowering feverfew in shape, but are of a much purer white. They last a very long time in water and may be gathered with long stiff stems; in fact when cutting them they should be cut down rather low to induce the plant to throw up more flower stems from the root. This plant should be replanted and divided into small bits every two years, for it soon takes complete possession of the ground if left alone, and when too much crowded the flowers do not develop to perfection. Young plants will not begin to bloom quite as early in the season as the two year olds and two patches should always be on hand, one of last year's planting for early use and one of the present year's setting out, which will continue to bloom until very late in the fall. Grows to a height of 1½ to 2 feet.

Coreopsis lanceolata is well known to all florists, and the bright golden yellow flowers when under good cultivation and in rich soil will measure close to 3 inches

across. A very showy perennial and extremely useful for cutting; will grow 2 feet high generally and blooms nearly to the end of the summer.

Digitalis purpurea, the common fox-glove, blooms from June to the middle of July, and a patch in the border or a bed of it will make a grand display in early summer. There is a great variety of colors, ranging from purple, pink and rose to a creamy or a pure white. All have small purple dots in the throat, and the effect of the long narrow pyramidal flower stems, densely clothed with their drooping flowers, is equaled only by few other plants we may use in the border. Height 2 to 3 feet. This is not strictly a perennial, but if we divide plants after the second year's planting we can, simply by performing this operation, perpetuate any or all varieties we may desire, otherwise plants will usually die out after the second year. *Digitalis ambigua* or *grandiflora* as it is called by some, is a true perennial species with yellow flowers dotted with dark brown in the throat; will bloom until August and is very desirable, not only for its rare color, but also on account of its free flowering quality, and may be either planted by itself or mixed among *D. purpurea*. Grows to the same height as the above.

Lychnis chalcedonica is an old and well known border plant which deserves to be planted largely. The double varieties are as desirable as the single scarlet and white, both are good and bloom from now to August, attaining a height of 2½ to 3 feet.

Aconitums of the earlier varieties are beginning to send up their panicked flower stems and are making a fine show in the border. One of their good points is that we may plant them under the shade of trees and they will flower just as well as when planted in an open sunny border, but the roots should be undisturbed and remain in the same spot for years. Newly transplanted beds or patches will not produce those large pyramidal, many flowered panicles, which we admire so much on old plants or clumps. Blue or blue and white is the prevailing color of the early varieties, such as *ampliflorum*, *napellus*, *emineus*, *intermedium*, *gracile*, *angustifolium*, etc., and they grow from 2 to 4 feet high.

Clematis recta or *erecta* as some have it, is a white sweet scented, shrubby variety, blooms in dense compact corymbose clusters of large size from now until August. Old bushes will give hundreds of most ornamental long and stiff stemmed panicles of flowers, which can be used in various ways by the florist; it will form a beautiful bush with very dark green foliage, and should be planted extensively for cut flowers, as it has the best lasting qualities and has that sweet hawthorn fragrance, admired by so many. As a solitary plant in the lawn it forms a fine perfect round specimen 2 to 3 feet high. J. B. KELLER.

Rochester, N. Y.

Useful Plants.

SELAGINELLAS.

In the list of plants that will be found useful in a retail trade we may well include a few species of selaginellas, for though these plants will not endure long-continued exposure to a very dry atmosphere, yet a place may be found for a few of them. But it should be remembered that in order to produce satisfactory stock of this description it will be necessary to give them proper quarters and a little attention, for when selaginellas are

grown under a bench or crowded among other plants the growth will be so soft and sappy as to be quite useless.

The soil is not a very particular item in the successful culture of these plants, almost any light, sandy compost answering for the purpose, providing it drains readily and does not pack too firmly in the pots.

Cuttings of the strong growing sorts may be rooted at almost any time in wet sand, while those of tufted habit are generally increased by division and potted up into 2-inch or 3-inch pots, the latter being a convenient size for most purposes. Selaginellas require some shading at all times, but should also be vented freely in order to give substance to the growth.

Of the low growing species none are more useful than the well known *S. Kraussiana* and its variety *aurea*, these being rapid growers and very easy to increase, and may be handled nicely in a cold frame during the summer. Another good cool house species is *S. apus*, a native of the Eastern United States, and a very pretty one too, and of somewhat similar growth to the above is also *S. delicatissima*, another admirable sort, but not quite as hardy as *S. apus*.

S. serpens is another common species, very easy to grow and spreads almost like a weed, and having the peculiarity of changing its color during the day, being of bright green in the morning but apparently bleaching out to almost white in the afternoon, this change being of daily occurrence.

Among the species of fern-like habit, producing more or less upright fronds, and spreading by means of runners either on the surface or beneath the surface of the ground, few are more useful than *S. Braunii*, this species having finely divided, dark green fronds that are frequently one foot or more in length, and of sufficient substance to be quite enduring. A temperature of 55° at night is sufficient for this admirable plant, and spring is the best time to multiply it by division. It may also be worthy of note in this connection that *S. Braunii* is sometimes, though incorrectly, found under the name of *S. Wildenovii*, the true *S. Wildenovii* being an entirely distinct species.

S. Martensii and *S. Martensii variegata* should also be included in the useful list, both these being very easy to manage and soon becoming salable stock from cuttings taken off during the spring and summer. *S. filicina* is another handsome species, though possibly less hardy than the above, and bears a compact mass of feathery fronds that vary from six to fifteen inches in length, and of rather pale green color.

S. Vogelii is also a strong growing kind and makes a fine exhibition specimen, the fronds being nearly triangular in outline, finely cut and very dark green with sometimes a bluish or glaucous tint. *S. Emiliana* has found quite a place among the stock of many florists during the past few years, and is really a very pretty sort, of compact habit, rapid growth and very easily increased by cuttings. This species (or variety) may be worked into small fern dishes in company with the ferns with very good effect.

If one desires to have exhibition stock *S. grandis* and *S. atroviridis* should not be omitted, also *S. Wildenovii*, *S. Lyallii*, *S. viticulosa* and numerous other species could readily be enumerated for that particular purpose, but plants of that character are not always the most profitable, and therefore no special stress has been placed upon exhibition species in the present article. W. H. TAPLIN.

The World's Fair Rose Garden.

In this issue we present twelve views of the rose garden on the Wooded Island at Jackson Park, Chicago, from photographs taken last week.

At the time the photographs were taken the handsomest bed was undoubtedly that of Anne de Diesbach. Mrs. John Laing was also in good form and will of course remain in bloom long after Diesbach has passed its glory. Marshall P. Wilder was also a star of the first magnitude and Paul Neyron was in fine estate. Merveille de Lyon and Gloire de Lyon were in fine bloom and both were in better condition than Margaret Dickson, which was rather unexpected. Baroness Rothschild showed up rather better than anticipated, while Jeannie Dickson was rather a disappointment this year. Jacqueminot held the fort for brilliance of color, Mme. Georges Bruant was very satisfactory, and Alfred Colomb held a good position as a bedder.

In our issue of April 13 last we printed a description of the cultural methods employed in this rose garden, and our illustrations may be considered supplementary to that article.

Hæmanthus Kalbreyeri.

Among the newer and little known species of *Hæmanthus* *H. Kalbreyeri* is one of the most attractive. Several specimens of this plant are now in flower at the Botanic Gardens. The large brilliant orange-scarlet flower is very attractive. The flowers are curious, being closely gathered together in compact umbels. Propagation is effected by offsets, which are produced more or less profusely; they should be removed as soon as sufficiently rooted or large enough. The best season to do this is when the plant is in full free growth. It is important after flowering to have a period of growth, to be followed by one of rest. Pot in equal parts of peat and loam with a liberal addition of sand. The offsets should be kept in a close house until established. They should have the benefit of as much light as possible, and will reach flowering size sooner if kept in 55° or 60° and encouraged by an occasional stimulant in the form of manure water. Plants flower more freely when underpotted, for this reason it is not necessary to shift them every year. A native of Guinea, introduced in 1878.

REYNOLDS.

The Crape Myrtle.

Lagerstromia indica is a plant meriting a more wide-spread cultivation. In the north it would be a fitting companion in tubs or pots to the oleander, here, and south of here, it is one of the finest shrubs in cultivation. It is a native of China, attaining a height of from 6 to 10 feet, but by the use of the knife it can be kept at any height or shape desired. It was introduced in 1816, flowers abundantly, and seeds very freely. From seed it can be easily propagated, and cuttings from young side shoots grown inside are easily rooted. There are various shades of purple and pink. It varies greatly from seed, often producing as many as twelve to fifteen different shades from a small quantity of seed. When grown in tubs or pots they require but little or no attention during the winter months; just sufficient water should be given them to prevent the soil from getting dust dry. As the spring advances both the quantity of water and amount of heat should be increased. There is a pure white variety which is very handsome, but of course



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less hardy. In the matter of color only, does it differ from the type. REYNOLDS.



Orchids for July.

It is no whit easier to find a paying crop of orchids for July and August than it is to find any other paying crop for those months. I would rather undertake to give a system of kitchen garden crops, and would believe many a florist would be better and more surely served in handling them, the farmers to the contrary notwithstanding. There are a few first-class orchids for the month, but with a few exceptions they are such as need to be pretty constantly renewed by importation, and even then a paying crop and a paying demand are somewhat problematical.

The amateurish plan of our mutual friend "J. Robinson Sharps" will not do at all for the money maker. Such orchids as the white flowered hirsute dendrobes and the gorgeous cattleyas of the Dowiana and gigas breeds must be taken in hand at the source of supply in their native woods, and the fine varieties cut up and propagated there; moreover they must be transported as safely, surely, seasonably and cheaply as bananas before the florist can handle them with satisfaction. I am sure of that, and it is possible I may live to see the thing done systematically, just as I have seen moon-flowers and nelumbiums come into general cultivation.

July and August afford mean measures of heat as great as those of the tropics, and greater than those of the sub-tropics. The trouble is with us they are inconsistent, subject to severe depressions and are often too wet or too dry. The mean of our two warmest months is the constant temperature (approximately) of much of the orchid tropics up to an elevation of 5,000 feet.

I spoke of the facility with which *Oncidium Lanceanum* may be managed outdoors during these warm months in my last article. The explanation is probably simple. The plant has a wide range, wider than has been determined, but taking one of its warmest stations and comparing the mean temperatures of July and August with those of Philadelphia they are found to approximate closely, while the fluctuations of temperature, rainfall and humidity are not greater than the geographical range of the plant adapts it to withstand, or the cultivator can overcome. The following table is made up from government records and is still wretchedly incomplete as applied to the plant in question, but better than can be applied to most American orchids. The readings marked * are yearly averages, but the minimum is the temperature on the grass for July at St. Anne's Botanic Garden, Trinidad, fractions being dropped. At the same station the humidity ranges from 73° to 94° for the year.

July weather of Philadelphia, Pa., compared with stations of <i>Oncidium Lanceanum</i> .	Minimum		Max.		Mean	Mean	Humidity	Rain
	Fab.	Fab.	Fab.	Fab.	Mfn.	Max.		inches.
Philadelphia, Pa.	57°	97°	67°	87°	65°	2.39		
St. Anne's and Cedros, Trinidad.	71	88	69*	87*	78	2.00		

The heaviest rainfall at Cedros for the year examined was 10.61 inches in January, followed by 1.27 in February. Then followed from 2 to 4 inches per month up to August, when 6.92 inches fell, followed by another dry month with only .95 of rain. Then from 1½ to 5 inches in gradual increase to December. But in such climates as much rain again falls in other years. There are, however, two marked seasons of growth, and we can see why so many orchids try to grow in winter, and sometimes flower twice; besides our plants rarely seed, and gardeners know that many plants will flower oftener when seeding is by some means prevented. It is not impossible that some orchids flower twice annually, but I take it they are exceptions. But that two or more growths are made naturally is no doubt common enough—even with cattleyas—although some collectors who I warrant have never watched them in the woods say they only make one.

The florist who wishes to grow orchids may safely keep these things in view, and do anything in his power to promote orchid farming in orchid countries, and learn all possible of their climates. He will thus forward the day when he may as safely grow a crop of orchids as a crop of lilies. As matters are at present—dependent upon the selfish, short-sighted greed of the collectors, many fine things are in actual danger of extermination, or they are confined to the equally selfish possession of a very few, who do nothing rational either for their perpetuation or their dissemination. Do not for a moment fancy I am talking at random. I need only point to the success attained in vanilla culture to show you what may be done in the tropical culture of fine varieties of orchids. Although the vanilla orchid is chiefly Central American, although it has the advantage there of a fertilizing moth, and costs nothing much to cultivate, yet the pods are principally supplied to the world by the islands of Mauritius and Reunion, far away in the Indian Ocean, but with cheap and intelligent labor, with industry to cultivate, artificially fertilize and cure. It is only now and then that a partial failure of crop permits the Indians of Central America to make a living at collecting from the wild plants. Nevertheless they do keep the prices within certain limits, but isn't it strange to see that Central America does so little in the culture—with their material advantages of climate and insect fertilization? They simply haven't got the thing through their heads, or they are too sleepy—or both. Now suppose some one would do as much for *Cattleya Rex* as for the vanilla, and would deliver it in good order, in advance of the growing season, as the Dutchmen do hyacinths? Oh, no! I don't want to live in a Dowiana climate myself, but people do live there, and I fancy it would be easy for them to supply compact and useful plants which would supply the large cities with a crop of July flowers which are now almost unattainable. Some years ago a party at Long Branch bought a large lot of these cattleyas, and I made a visit to see them in flower(?) about five years later. There was neither a flower nor a gardener, and scarcely the ghost of a plant to be seen. Yet I believe some of the leading experts of the country had been employed upon them. Poor fellows, they couldn't maintain a sun energy of 150° during our winter, no matter how expert they were with crocks, and peat and fern fibre and sphagnum.

The surest and best of the eastern orchids for July are *Ærides quinquevul-*

nerum, *Æ. virens* Ellisii, *Saccolabium cœleste* and others of the Vandææ. It is doubtful if there is money even in the fragrant *ærides*. Some of the hirsute dendrobes may also be had in flower, and although often grown it would surprise me to hear anyone report a profit from them. *Dendrobium Dearii* although somewhat slow to establish will probably endure our climates better than most of the white flowered ones, and propagate better.

There are three types of *cattleya* often seen in flower during this month which, as flowers, are not surpassed in the genus. They are *C. Dowiana* and varieties, including *C. Rex*, *C. gigas* including *C. Imperialis*, etc., and the Rio Negro varieties of *Cattleya superba*. These latter are quite different in freedom of flowering from the Guianian plants—that is if the collector's accounts of their locality can be relied on; we are at their whim and mercy for what we know of localities, as well as for what we don't know. Anyway the Rio Negro climate and the "Rio Negro" plants are vastly different from the ordinary *Cattleya superba*.

Some of the older *miltonias* such as *Regnellii* and *spectabilis* are sure bloomers and easy to propagate and keep. *Mormodes luxatum eburneum* is seldom seen in flower. It is one of those orchids subject to the sudden rot I have spoken of before, and the finest young bulbs are bound to go in certain conditions of weather. The sooner you hang it beneath a tree after June 1 the more likely you will be to save the bulbs and see the raceme of ivory-like flowers. It commences growth in February or March and continues to September or October, rooting freely over nearly as long a period. It does both, and also flowers outside, maybe less succulently than under glass, but of what use is succulence if you lose the growth of a season in a day? This orchid no doubt needs more drizzle and humidity for growth than we can afford it at proper temperatures, but it is worth a little pains to see the raceme of a dozen to eighteen flowers. Every bulb will make a lead if separated.

Stanhopea eburnea is a fugaceous but good July orchid.

Trenton, N. J. JAMES MACPHERSON.

Orchids at Cincinnati.

The only collection of prominence in this city was formed several years ago by the late F. T. MacFadden, which he eventually converted into a commercial establishment and gained wide popularity as a cultivator of orchids, roses, cyclamens, carnations, etc. During a recent visit I found Mr. Harry Sunderbruch in charge, and he may be complimented on the appearance of the plants. The collection of cypripediums I found had been dispersed, with the exception of *Cypripedium insigne* which had been retained solely for cutting purposes, together with quantities of cattleyas, *lælias*, *vandas*, dendrobes, etc., occupying several houses, both stage and roof being crowded with them. The numerous growths now forming indicate a wealth of bloom during the coming season. *Cattleya labiata*, *C. Trianae*, *C. Mossiae*, *C. Percivaliana*, *C. Bowringiana* and *C. Mendelii* are the chief varieties cultivated. The season is now finishing with *C. Mossiae* and *C. Mendelii*, and a very pleasing group was in bloom, showing distinct and abundant variation, together with a fine lot of *Lælia purpurata* and *Dendrobium nobile*, a grand lot of the rare *Oncidium splendendum* was doing well, suspended from the roof, where they enjoy ample sunlight



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and not too much water at the root. A group of *Vanda coerulea* also was well grown, likewise a splendid lot of *Dendrobium Phalaenopsis Schroderianum* and *D. bigibbum*.
A. DIMMOCK.



Carnation Notes.

The cut worm has destroyed thousands of young carnation plants this spring, and the question arises, how can we rid our land of this pest? In conversation with Mr. Sirene of the N. Y. Experimental Station located at Jamaica, N. Y., I find that there are several species of this worm, and that the moths begin to deposit their eggs now and until fall, and that they always do so in sod ground or where there are many weeds. Moral, do not allow weeds to grow on any spot of your place, or if you intend to use ground that is now in sod for your planting next year plow it at once, then the moths will not deposit their eggs there. This may seem a matter of but little importance, but if, like a neighbor of mine, you should lose 5,000 or your whole stock of plants next season from cut worms don't say that I have not given you a pointer as to the remedy, for I know that in my vicinity there have been but few, if any, worms where the ground was kept clean last season, and where the weeds were allowed to grow cabbage, carnations and all soft wooded plants have suffered terribly. There is also another remedy, but it is expensive and requires considerable attention; it is to hang an oil torch over a large tub of water, the torch to be kept burning nights, the moth attracted by the light and coming in contact with it burns its wings, drops into the water and is drowned. This process must be continued for several months on account of the several species depositing their eggs at different times.

CHARLES H. ALLEN.

Analysis of Carnation Plants.

Perhaps the following analysis of carnation plants (including the whole stalk, leaves, flowers and roots) made for me at the Mass. State Agri. Exp. Station in 1891 may aid Mr. Allen in making a formula of chemicals spoken of in a recent issue of the FLORIST.

The plants were taken from the benches in September when the plants were thrown out. This whole matter of feeding plants in greenhouse culture is of the utmost importance. SEWALL FISHER.
Framingham, Mass.

	Per cent.
Moisture at 100° C	8.08
Ash	8.80
Nitrogen	1.06
Potassium oxide	3.35
Sodium oxide	1.13
Calcium oxide	1.64
Magnesium oxide	.35
Ferric and aluminic oxides	.03
Phosphoric acid	.46
Insoluble matter	.21

THE AMERICAN FLORIST (\$1.00) and *Gardening* (\$2.00) together to one address for one year for \$2.50. Send orders to American Florist Co.

How Many Men Does it Take?

A communication comes from Evansville, Ind., which is, to say the least, difficult to answer, and it would occupy several pages of your valuable space were it fully answered. Evidently the young man is in earnest, but whether he is the boss or an employee I have no means of knowing, and it matters little as far as my answer is concerned. Here are a few samples of the enquiries:

"How many men are needed for the best results on an establishments of 9 houses: 2 rose houses 100x20, 1 rose house 100x10, 1 carnation house 100x10, 1 smilax house 30x20, 4 houses for general use, each 80x10. (This as I figure it makes about 10,000 feet ground measure, of glass. W. S.) We grow about 6000 geraniums, about the same of roses, also have 400 feet of cold frames." Subscriber does not say whether this is square feet or lineal.

"Should one man water all and help lift sash off cold frames in winter? Should one man have full control of the watering of the rose and carnation houses, or should two or three do it and hold the one that does it most responsible? The number of men and what place, first, second, third, and so on, should occupy as to potting and tending cut flower houses."

I have given these quotations, verbatim, because your readers, if they trouble to read it, will realize what sort of stuff I have to grapple with. To be serious, it is quite difficult to say what amount of help would be necessary to run these houses, so much would depend on the style of business they did. If much decorative business was done in winter that would warrant more help than if there were none of that kind of business. Your correspondent says that the produce of the place is disposed of partly wholesale, partly retail. I would say it the very most was made of the glass that it should employ from July to March two good men, a boy and a laborer to do such work as firing and many other jobs which are always found round a greenhouse. From March 1 to perhaps July or later an extra hand will be wanted to handle the bedding stuff, deliver plants, etc.

In a place of this size one man should have full control of every operation. If the boss is not a stay-at-home man himself and does not superintend every operation he should have one man who should be foreman and responsible for everything. The foreman may not water the roses and carnations himself, but he should tell his subordinate when to do it. Mind, I say in a place of this size. About the relative positions of men in a place of this kind the foreman, if a man of any tact, will soon find out what the other employees are most capable of doing, and will set them to work where their ability will be most profitable. As to holding any workman responsible, the foreman only is responsible, because if a workman does not do his work right and intelligently, or is incapable of learning how to do it, he should be allowed the privilege of seeking some other occupation, where less brains and more brute strength is required.

The very curious question about lifting of sash in winter is really too ridiculous to answer seriously. In a greenhouse establishment no such rigid lines of duty can be laid down. All hands and the boss himself should get out in cases of emergency. If a man refused to lend a hand at any job when needed he should be given the grand bounce at once. There are some

amiable men with a slight soft streak in their composition who are often imposed upon by less worthy men, but that state of affairs usually finds its level. The worm will turn after a time, and the worthy man will float to the top, and in his upward course displace the arrogant selfish, domineering, bossy, showy, and brainless creatures.
WM. SCOTT.

Early History of the S. A. F.

ED. AM. FLORIST: The statement regarding the conference at Cleveland, O., between John Thorpe and the writer is correct in all particulars except the date. The nurserymen's meeting at Cleveland occurred in 1879 instead of 1883 as stated. The very first expression regarding the formation of the S. A. F. occurred in Cleveland in February of 1879 at the depot between Mr. Thorpe and myself, and when we parted at that time it was with the understanding that the matter should receive our best thought until June; when, if practicable, we would undertake to organize. So few florists were present at Cleveland in 1879, and those present were so fearful of failure, that the attempt was again postponed. The matter was canvassed at St. Louis and we all felt at that time that favorable action would soon crystalize, as it did the next year in Chicago.

The reprint in the FLORIST of our old prospectus brings forcibly and clearly to mind many of the thoughts and perplexities which obtained in the mind of the president and secretary at that time. Very few in the profession realize the great amount of work planned and executed previous to our first meeting at Cincinnati. All credit must be given to our beloved co-worker Myron A. Hunt; he spared neither time nor means in pushing to successful issue the several details given him to work out.

Whilst writing this, reminiscences of the past flit before my mind. I think of old-time friends, of the methods pursued by the profession in the days previous to our organization, of the anxious solicitude regarding the Cincinnati meeting. The great success of that meeting more than repaid for all the work and anxious thoughts expended in the effort to unify and ennoble our profession.

All acknowledge the wonderful work accomplished, but let us not glory in the past but looking to the future let us with firm tread and steady purpose endeavor to guide this national society so that it shall be even a greater factor in the future than it has been in the past in building up and conserving the varied interests connected with our calling. E. G. HILL.

Horticultural Exposition at Paris.

At the International Horticultural Exposition at Paris May 22 to 28 last, the exhibits were placed in enormous tents in a part of the Tuileries. The largest tent was 348 feet long, 87 feet wide and 36 to 45 feet high in the highest part. There were five smaller tents, all were made of a light material that admitted abundant light.

In the large tent were arranged six long beds, two on the sides and four in the center. These were filled with rhododendrons, Azalea pontica and hardy and tender perennials and annuals in mixed groups. On the inner beds were calceolarias, geraniums, sweet peas, etc.

Two of the smaller tents were filled with roses, and others with orchids and stove plants.

There were 400 exhibitors and the



PLANTING ON THE MARGIN OF THE WOODED ISLAND, JACKSON PARK, CHICAGO.

prizes amounted to 30,000 francs (\$6,000) in addition to numerous diplomas. Moser, of Versailles, received the "Prix d' honneur," of the President of the Republic for his rhododendrons, azaleas, clematis, kalmias, etc. The principal foreign exhibitors were two from England and two from Belgium.

Vilmorin-Andrieux & Cie were the recipients of many prizes for plants, both flowering and vegetable. They made a fine display of alpine plants. E. Forgeot & Cie made a specially fine show of plants for the kitchen garden, receiving a gold medal. Honore Defresne fils made a fine show of trees and shrubs, and M. Truffaut of greenhouse plants.

Among novelties were some exquisite bertolonias from M. Bleu, who has produced some of the most beautiful varieties in cultivation. Another novelty was a double rhododendron shown by M. Moser, which was as double as a zonal geranium.

The Wooded Island.

The accompanying engraving, from a photograph taken last week, gives a glimpse of the planting on the margin of the wooded island at Jackson Park, Chicago, as it now appears. A splendid growth has been made since the exposition closed and the beauty of the island has been greatly enhanced.

Of all the buildings at the fair the Japanese cottages at the northern end of the island and the art building are the only ones now standing, and surrounding the island is a scene of desolation. The wreckage is being slowly removed, but it will take several years to restore the park.

NEBRASKA has selected the golden rod as the state flower.

Philadelphia.

The June meeting of the Penna. Horticultural Society was held in the hall of the College of Physicians, 13th and Locust, a very good place by the way. The attendance was not large, and it was concluded to hold the meetings during July and August at the office of the secretary, 1414 So. Penn Square.

The American Dahlia Society asked permission to hold an exhibition of their favorite flower under the auspices of the Horticultural Society during the latter part of September, they guaranteeing to put the society to no expense on their account. They will issue their own premium list and have it sent out with the regular schedule of the society. It is also proposed to have a paper on the dahlia prepared and read at this meeting; this should prove a very interesting and instructive essay, as this flower has received very little notice from the horticultural press of late years. There are many new varieties coming out, which if properly brought to the notice of the public would make this flower much more popular than it is.

Mr. Heacock of the committee of arrangements reported having engaged the Academy of Fine Arts for the chrysanthemum show, which is to be held November 5 to 9 inclusive. David Rust has accepted the position of superintendent of exhibition; that he will fill the position to the satisfaction of the society goes without saying, especially as the working members have expressed their intention to give him all the assistance they can. There is everything in favor of a grand show next fall. The building committee reported the new hall as progressing in a satisfactory manner and unless some

serious delay not now anticipated occurred the chrysanthemum show of 1896 would open the new building.

Business is very quiet; the regular summer dullness appears to be setting in. The pond lily and the aster have arrived, and in a few days the hollyhock and the outside summer carnation may be expected. Beauties are very scarce and poor. La France, Kaiserin and Meteors are now the best roses; they sell for from 3 to 5 per hundred. Carnations are small, and bring from 50 cents to 1 per hundred. Iris is offered to take the place of pæonies, and sells for 50 cents per dozen. Lonsdale has some very pretty white varieties. He also is headquarters for orchids, and many a pretty box is topped off with a few of his favorite flowers.

Growers are very busy now getting their houses planted with roses for next season's crop. The Meteor seems to be a favorite, and nearly everybody is devoting a house to it. The new roses are being tried, and quite a number are planting Belle Siebrecht and Mrs. Morgan. More Beauties are also going in; at least half as many more will be grown about here the coming season. They are to take the place of the early hybrids, which have not of late years been a success. About the first of March a grower who had a whole house devoted to Beauties this season for the first time, and who has been very successful with Brides, Mermets and Bridesmaids, said "If I don't sell another Beauty from this time on, and still have good luck and success in selling my other roses until the season closes, I will not be able from any one house to catch up the receipts of my Beauty house. It is the most profitable rose I have ever handled since I have given it a house to itself."

The wandering fishermen from the wilds

of Maine have returned, and no doubt the air will be full of scaly stories for some time to come. K.

Chicago.

During the past week the market has fluctuated greatly. For several days sales were tolerably good, good roses going very well. Then there was a break, as an extra quantity of stock came in on Tuesday, and the demand was light. At the present time there is a decided glut in some lines, and trade is quiet, but the stock of really good roses is small, and they are all sold out every day, prices running from 2 to 3. A great many Meteors are in, bringing 2.50 to 3. Some extra stock in Testout and Kaiserin is held at 4. There is quite a shortage in Beauties, some large growers being off crop just now, and a large proportion of them have very short stems. Outdoor roses do not amount to much, and do not seem to influence the market in any way.

Carnations are very plentiful, and many are sold at 40 cents, though naturally more is paid for select stock. There is a lot of outdoor stuff in the market. The airy *Gypsophila paniculata*, which forms a dainty finish for basket work, sell for 25 cents a bunch. Canterbury bells go for 35 cents a bunch, and appear popular. *Candidum* and *longiflorum* lilies are seen, and auratum on inside; the latter sells rather slowly at 8. *Coreopsis* and cornflowers continue in quantity, and outdoor sweet peas, which have come in at the end of the indoor crop, sell for 40 cents. Candytuft, larkspur and other miscellaneous herbaceous stuff sell at no fixed figure, and usually goes in lots. Some of the yellow marguerites appeared popular for window decoration, though like the ordinary white one they would not bring a large figure.

A charming new centaurea, sent in by Mr. Swenson, is noticeable for its large size and feathery delicacy of form; at first sight it suggests one of the plumed pinks. The colors are white and mauve. A charming thing, and likely to be useful.

Pæonies are still to be seen; some noted this week had been placed in cold storage, simply laid down in the wrappings in which they were received, without putting in water; they are then placed in water when needed for sale. It was said that they lasted well in the cold storage for over two weeks.

Shipping trade still continues quite good, but the local demand is small.

Mr. Henry Kroder, representing Siebrecht & Wadley of New York, was a recent visitor.

At the last meeting of the Florist Club Mr. T. F. Keenan was elected secretary for the remainder of the current term.

The bill for the extension of Lincoln Park has passed and is now a law. This gives the commissioners power to acquire property along the lake to the north of the park providing the property owners of that section will vote for a tax sufficient to carry on the proposed improvements.

St. Louis.

Trade in the cut flower line was dull the past week, and flowers plentiful, the only scarcity being in white carnations. The roses that come in now are looking better, with good color; prices for good stock run from 2 to 4.

The florists interested in a show will meet again this week to hear the report of the committee; they say the show is a go and will be held at Urig's Cave next

November, and will be bigger and better than ever.

The fakir is about dead in St. Louis, but one of them got about 5,000 carnations in last week, kept out about 2,000 and sold the other 3,000 to two of our commission men, who resold them to the florists. The fakir's profit was 2,000 carnations; he then sold the carnations on the street for anything he could get. The two commission men who bought them will be reported at the next meeting.

The florists' picnic will be held some time in July; a meeting of the old committee of last year will be held this week to fix a date.

Mr. Brown of Brown & Canfield, Springfield, Ill., was in town last week. Mr. Koeppen of Koeppen & Staley of the same place was also a recent visitor.

The Riessen Floral Co. last week furnished one of the largest weddings of the season. The Chandler Floral Co. will soon move in their new location, 617 Olive street.

The Florists' Club has at last got new quarters, 919 Olive street, Empire Building, third floor, and will meet every second Thursday night.

D. I. Bushnell, the seedsman, has been out of town attending the American Seed Trade Association meeting held at Detroit, Mich.

J. M. Jordan will leave the latter part of the week to go east for the summer, and will not return until after the S. A. F. meeting.

At this writing a very heavy rain storm is raging, and will be welcomed by all florists and gardeners. This is the first rain we have had in five weeks.

A great crowd was present at the bowling match; the Japs won by a close score. Alex Waldbart is the happiest man in town; now he says he feels 10 years younger. Here are the scores:

JAPS.				
Names.	1	2	3	Totals
A. Waldbart, Capt.	188	196	149	533
Chas. Kuehu	183	173	185	541
H. Young	132	170	126	428
C. Beyer	190	151	160	501
F. Fillmore	117	113	147	377
Totals	810	806	767	2383
CHINESE.				
Names.	1	2	3	Totals
John Young, Capt.	140	148	199	487
Rob't Beyer	166	140	173	479
Fred Weber	162	146	143	451
D. Helwig	130	100	183	413
E. Schray	175	189	156	520
Totals	773	723	854	2350

The same teams bowl again next Wednesday night. J. J. B.

Denver, Colo.

The Park Floral Co. have broken ground for several large houses and intend making extensive improvements and additions to their present plant. They are building a handsome pressed brick office and salesroom, also two rose houses each 200x28 feet, one carnation house 100x50 feet, one smilax house 125x20 feet and a propagating house 80x15 feet. This amount of new glass will necessitate remodeling their heating apparatus, which they will do by putting in two 80 H. P. boilers which will be placed on the north side of the range of houses nearly on the ground level, a pump being used to return the condensed water to the boilers. The old boiler pit will be used as a bulb cellar and a new work shed built in another location.

Each day brings to light another victim. But no one lost anything, no one got caught, Oh no! "You see it was this way. He came into the store (or greenhouse) and said he had been sent to me by a friend and that he wanted me to do a

decoration—not more than fifty dollars—and would I please go down to his house and see what was needed. He offered to pay me twenty-five dollars to bind the bargain, but I told him that was all right, didn't want any money then, just as well to wait until the job was done. When I went to the address he gave me I only found a vacant lot, no house near. I tumbled right off then that I had been worked. Worked for what? Oh well, for the trouble of chasing around. Oh no, he didn't work me for anything else, I was on to him." That is the way the story goes and every greenhouse man and florist in town tells it exactly the same way without variation. The cause of all the trouble was the "smooth work" of a confidence man round Hugo Braun alias Gustave DeChannells alias a dozen other names, late of Philadelphia and Kansas City, who now sojourns in our city bastille in consequence of some of his work, and who seems to have had a particular penchant for florists, as he visited every establishment in town trying to work the bogus check game. He caught some one, as he was jailed for passing a bogus check on a restaurant man at whose place he wound up his career by giving a supper to a party of sixteen, and as the tables were elegantly decorated with flowers it is only fair to suppose that some florist got caught, but who it is no one knows and the modest victim keeps a discreet silence upon the subject.

Mr. C. F. Fawcett has taken the management of the Colfax Floral Co's. 16th street store.

Mr. John Hickey is now foreman at the Colfax Floral Co's. greenhouses.

Considerable bad feeling has been aroused by the practice of certain florists furnishing flowers to a certain department store in this city which are retailed at ridiculously low prices (orchid blooms \$1.50 per dozen, American Beauties \$1 per dozen, sweet peas 5 cents a bunch). While nothing definite has been done the matter may result in the formation of a trade society to try to regulate the wholesalers, who are so inconsiderate of the interests of the flower stores.

GIVEN.

St. Paul Minn.

Numerous commencements and weddings and the great steamship ball, the event of the season, were all factors in promoting a good trade for the week. While the cut was fairly large and of good quality, the demand was much larger and the shortage of white and red roses was very noticeable. The supply has now increased, while the demand has diminished, and flowers are once more abundant. Outside roses are now in bloom, but do not materially affect the sale of choice greenhouse stock. Plant sales are very slow, and as the good stock is all gone there is not much worth selling any way. Auratum lilies, now in full bloom come in very handily for the crop of June weddings. Sweet peas are in good demand. Some outside stock will be in bloom soon.

E. F. Lemke has torn down his last old house, replacing it with a new one of modern construction. He is also pushing work on his other new houses. When completed his range will be one of the largest and finest in the city.

L. L. May & Co. are remodeling the interior of their large house, building new benches in others and repairing in general. Their summer roses are just coming into bloom.

The very apt comparison of Mr. Tasty and Sloppy & Co's. business as illustrated

in the last FLORIST deserves more than passing notice, and is brim full of truth. How often we hear of dull times, poor trade, etc. from people whose houses disgrace the ground they occupy. There are so many examples in every city that any observer will have noticed it. Neatness is more economical than slovenliness.

The leaves of the box elder trees in this city are being destroyed by a worm that strips the branches bare.

Mr. F. C. Bartels, for the past year manager of the Mendenhall Greenhouses in Minneapolis has accepted a similar position in Cleveland. We shall miss his pleasant face and his practical suggestions at our monthly camp fires next winter.

FELIX.

OBITUARY.

Died, at West Medford, Mass., on the morning of Thursday, June 13, John Duane, aged 68 years. A widow, one son and a daughter survive. Born in Ireland, he came to America in 1853, and after trying in Dorchester and Milford settled in Medford, where he built up for himself a large and prosperous business in gardening; later deciding to be a florist he built the large greenhouses which he ran up to the time of his death. Mr. Duane was widely known, and his sterling integrity earned for him the friendship of all with whom he was connected in business.

N.

CONRAD KRANZ, the florist, of Muscatine, Iowa, died at Mercy Hospital, Davenport, Iowa, June 12. The cause of death was the removal of a tumor under his right arm, which had been giving him considerable trouble for several years, the operation resulting fatally. Mr. Kranz was very popular and his death is deeply regretted by many warm friends.

MIDDLETOWN, N. Y.—Herman Firnhaber, a prominent florist, died June 10, aged 52 years.

Floralville Sketches.

"Hello, Sandy, there's a crowd going up to Floralville to see Buddenbloom and a few of the other boys up there. They tell me Budd has a house of late hybrids worth looking at. Better come along."

Such an invitation was not to be refused, so I accepted as a matter of course, and that was how it occurred that I found myself early one bright spring morning along with a most agreeable party on the first train for Floralville.

Although the personnel of the company was entirely due to social affinities yet it happened that the various departments of the trade were well represented, for in the aggregation were a retail store man, a commission dealer, a rose grower, a hardy plant and tree enthusiast and an orchid crank, besides several other choice samples.

"What do you think I saw this morning?" asked the rounder, striking a match and applying it to his cigar.

"A little appetizer," suggested the funny man.

"What's that?" said the deaf man.

"I saw," continued the rounder, ignoring the interruption, "as handsome a lot of roses as I've seen this year, sold for a dollar and a half a hundred."

"You don't tell me! Well, well, what's the business coming to? There's got to be a change and that mighty quick," broke in the rose grower, at the same time casting a threatening look in the direction of the commission man.

"What do you expect. You fellows are always complaining," retorted that worthy. "You can't make me believe there isn't money in growing roses at a dollar and a half at this season. Look at the cut you have every morning. If it don't pay how is it you're putting up four more houses for roses?"

"We've got to do it in order to live. Every year it takes a bigger place to yield a grower a living."

"I notice I don't get any roses at a dollar and a half, all the same," said the store man. "I had to pay four cents this morning and the stuff was nothing to brag about at that."

"Yes, and tell us how many you bought," said the commission man.

"I can't see what that has to do with it."

"Oh, yes, it has a good deal to do with it. You buy twenty-five a day and want to pick over the whole stock."

"And then hold them at two dollars a dozen," added the grower. "Just look at that for profit. I'd like to see some plan got up so that our products will reach the public at popular prices. When the growers get a cent and a half and the buyer pays twelve or fifteen cents I say there's something wrong with the whole business. I say give the public the benefit of the low prices and we sha'n't hear so much talk about over-production. You store people have had the best of it for years and it's got so now the growers must do something for self preservation. We want the people to have cheap flowers."

"You were not so deeply interested in cheap flowers last winter when you demanded a dollar and a quarter for your Beauties," suggested the wholesaler.

"How about violets at three dollars a hundred?" chimed in the store man.

"I'd like to set you chaps to music," said the funny man.

"Yes, they require lots of water," said the deaf man.

"Well, gentlemen, what I think you should do," said the philosopher, who up to this time had kept quiet, "is to stop trying so hard for quantity and work more for quality. I notice that extra stock of any kind is seldom over-plenty and nearly always commands a good figure in the market, and the man who grows it doesn't have much cause to complain of poor returns. But a surplus at this season of the year is unavoidable and the question is what to do with it. For my part I believe it would be wiser and better for the business every way to keep the stuff out of the market entirely than to let it go to the fakirs and curb-stone peddlers. Talk as you please about giving the humbler classes an opportunity to get cheap flowers, I submit that when it is accomplished through these unsavory channels you lose more than you gain, for flowers will soon lose their charm for people of refined tastes if they are seen daily among filthy and repulsive surroundings, and then your flower business has sustained an irreparable injury. Flowers suggest delicacy and refinement, never coarseness or filth. No matter how common, a flower is a flower, but let it be fresh and dainty. A bunch of fresh arbutus, wild violets or buttercups offered for sale on the street by the child who gathered them appeals to you, but a handful of bedraggled, bruised and dirty Mermets in the paw of a foul mouthed street Arab is a very different thing, as I look at it."

"Tell us how you're going to work to keep the surplus stock out of the hands

of the street Arabs," demanded the rounder.

"Look out, old stockin'," broke in the funny man, "he wants to get you where he wouldn't understand what you'd be telling him and you wouldn't know what you'd be talking about."

"He can't do it unless we get more rain," said the deaf man.

Then the conductor came along for the tickets.

While the argument recorded in the previous chapter was progressing four of the party had slipped away quietly to a corner of the car by themselves and inaugurated a game of whist. Things did not run very smoothly, however. The tree man's mind was pre-occupied, his thoughts were more on the landscape than on the game. Finally, getting restive under the repeated chidings of his partner he threw down his cards and said, "Here, let some one else take my place and I'll quit. I'd rather look out of the window. We can play whist anytime but we can't always have this beautiful scenery to look at; it's a shame to miss it. Isn't that clump of birches handsome with the soft green foliage and the white branches shining through; and here, you florists who can't see anything outside of a rose or a pink, look at those wild apples, what could you get that would be finer for a big wedding decoration? Beats all your smilax with pinks wired on, and there is not a month from December till May when you might not have them."

"Yes," squeaked the funny man, "apple blossoms for a wedding; Eve tempting Adam, see?"

"Eh?" said the deaf man, his hand behind his ear.

"You florists are too narrow minded; there's a regular mint in these things if some one would just take hold of it in the proper way. And just look at those pin oaks," continued the tree man as the train slowed up at a little country station. "There's a tree that is not half appreciated. *Quercus palustris*, always symmetrical and beautiful whether the foliage is on it or not. It ought to be planted for ornamental purposes much more than it is."

"But where is the money for the florist in such things?" I enquired. "We are in the business for the money we can get out of it. You people are constantly harping on this sort of stuff and telling people that they must drop geraniums and coleus and so on. Why don't you let us alone? These are the things we have got to make our living on."

"My friend," said the tree man, "if you don't keep up with the times you have yourself to blame if you get left. You must recognize that the embellishment of gardens, home adornment, has made great advances in this country within a few years, notably in the use of fine shrubbery, especially the recent Japanese introductions, small evergreens, etc. Tree planting in town streets is another advancement. All these things are good indications of the growing fondness for home and attachment to locality which characterizes a peaceable and happy people. The fondness for plants and flowers of simple character is growing and the craze for freaks and oddities seems to have pretty nearly run out. If you are a watchful business man you will take note of these tendencies and adapt yourself to them. Something more than the old familiar wreaths, bouquets and crosses will constitute the stock in trade of the local florist and his claim upon his townspeople for their support. He will have a hand in making the surroundings of their

homes permanently beautiful and it is his own fault if he cannot make it as profitable as selling alternantheras, beefsteak plants and dusty millers. There is plenty of opportunity ahead for him if he wants to take hold, and if he doesn't somebody else will."

"I think the auction business has done as much harm as anything else to the plant business," I ventured to suggest. "I say we florists are fools to allow outsiders to come into our trade auctions. No other business would permit such a thing. Look at the brokers; can you or I go in and buy a share of any kind of stock? No, sir! But my customers go to the plant auctions and then come to me and tell me how much cheaper they can buy plants than I can furnish them. And we let this thing go on without any protest. I think we should stand together for the common good and make a vigorous effort to have these sales exclusive. If at the end of the season we want to unload stock, well and good, let it go, but early in the season we should protect ourselves and make the public pay fair living prices for their plants."

"It seems to me" said the philosopher, "that there are two sides to that question. Growers who send plants to these auction rooms tell me that they often get good retail prices. Then they clean everything right out all at once and their benches are ready for something else. When spring bedding stuff is ready to sell you want to get rid of it as quick as you can. It doesn't pay to hold them as a surplus till the end of the reason; watering them two or three times a day costs more than they are worth. And I tell you its pretty unprofitable work running all over a place to answer a thousand questions and make a sale of a couple of ten cent plants to a woman who has nothing else to do but take up your time."

"Here endeth the first lesson" exclaimed the funny man.

"Yes, I believe in painting every time your capital will allow," said the deaf man.

"Floralville," shouted the conductor.
SANDY.

LOGANSPORT, IND.—O. J. McCormick is building a greenhouse on Helm street.

PROPHETSTOWN, ILL.—W. W. Noyes intends to add a house 18x100 this summer.

PEORIA, ILL.—B. F. Cartwright has been re-elected secretary of the Park Board.

CYNTHIANA, KY.—Mrs. R. L. Grinnan has built a greenhouse 18x100, the first one built in this town.

BRISTOL, CONN.—Trade here has been good this spring. J. M. Peck lost 200 lights of glass by hail June 2; no insurance.

DANIELSONVILLE, CONN.—The John Mahrs place here has been leased by Wm. D. Logee. Business is reported as quiet.

PITTSBURG, PA.—At the recent funeral of the wife of ex-Mayor Wyman twelve handsome floral arrangements were supplied by E. C. Ludwig.

WATERBURY, CONN.—W. J. Snow failed in business this spring. His principal creditor, W. M. Cottell, will run the greenhouses, he having a mortgage on same. There has been no settlement of the insolvency so far.

ROME, GA.—Mrs. H. C. Norton will build two new houses this summer, and reports business as extremely good. Mrs. Norton is admirably situated in the matter of heating, the houses being joined to the electric power house and heated with exhaust steam.

Chemical Manures.

In feeding plants under glass the usual custom seems to be the use of the leachings of natural manure, or of a solution of nitrate of soda. The former does not fill all of the requirements. Nitrate of soda supplies but one element of plant growth, nitrogen, and while it is easily applied, being entirely soluble, it is a one-sided fertilizer. A mixture of nitrate of potash, phosphate of potash, and phosphate of ammonia, is probably the best combination yet devised. These ingredients should not be used separately, but mixed in proper proportion and mixed with the soil at the time of planting, and used in solution later. The artificial manure which is prepared from them is highly concentrated, and should be used sparingly until thorough knowledge of its action is gained, and it is preferable to buy the manure already prepared rather than buy the separate ingredients, and mix them. M.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By competent man to grow roses and carnations. Single. Address J. J. care American Florist, Chicago.

SITUATION WANTED—By Scotch gardener; best of reference, married, seven years in this country. Address W. S. care American Florist.

SITUATION WANTED—By a first-class rose grower S and cut flowers of all kinds; 22 years' experience. Address ROSES, care American Florist.

SITUATION WANTED—By competent all-round florist, 16 years' experience in cut flowers, put plants, etc. M. N. care Am. Florist, Chicago.

SITUATION WANTED—By competent florist to grow roses, carnations, "mums" and general stock for retail; English, age 34, married, no family. Address J. T. TURNER, East Liverpool, Ohio.

SITUATION WANTED—As gardener in private place where good plants are grown; experienced. references. Address A. D. care Northrup's Greenhouses, La Grange, Ill.

SITUATION WANTED—By a German gardener, a rose grower, and first-class in general plant line. Fifteen years' experience in the country; foremanship preferred; references. Address E. W. care American Florist.

SITUATION WANTED—By a practical florist and gardener; commercial or good private place; A No. 1 rose grower; carnations, violets a specialty; good designer; age 35; references. G. W. 50 Laurel St., Lagonda Ave., Springfield, Ohio.

SITUATION WANTED—By a German, single, age 23; eight years' experience (in this country) in general greenhouse work, in both the mail and cut flower trade; best references. Address E. LAMPRECHT, Ashland, Ohio.

SITUATION WANTED—By a plant and cut flower grower; over 5 years in last place; 10 years in the country; will be free the 1st of July; good references, married. Address BRUNO BEHREND, Framingham, Mass.

SITUATION WANTED—By single Englishman; 25 years' experience with orchids, stove, greenhouse and flowering plants. In private and commercial places, landscape work and floral decorations, and capable of managing a first-class all round place; steady and sober. Address A. care Am. Florist office, 67 Bromfield St., Boston.

WANTED—Good rose grower; single man. Apply to REINHOLD BROS., 51 Wabash Ave., Chicago.

WANTED—2000 feet second-hand 1-inch steam pipe. PATRICK O'CONNOR, Box 433, Youngstown, O.

WANTED—Wholesale price lists. Address C. B. POTTER & Co., Shippensburg, Penna.

WANTED—Pteris tremula and Pteris argyrea 2 and 3-inch pot plants. Address N. N. care American Florist, Louisville, Ky.

WANTED—Stem Heater, capable of heating greenhouse 150x20 feet; new or second hand. Answer giving size and all particulars, with price. Address J. F. LUTHER, West Chester, N. Y.

WANTED—Two strong young men who are used to greenhouse work, cut flowers; \$16 per month board and lodging. Address POEHLMANN BROS., Morton Grove, Ill.

TO EXCHANGE—450 rooted chrysanthemums for 300 rooted Wm. Scott carnations. Address BENJ. J. PASSMORE, Swarthmore, Pa.

FOR SALE—The best floral establishment in Utah at a bargain. Address A. L. MURPHY, Salt Lake City, Utah.

FOR SALE—For demolition, three greenhouses, pipes and boiler at a bargain. Address MRS. NOLL, 132 Wilmot Ave., Chicago.

FOR SALE—No. 4 Hitchings conical boiler as good as new; will heat 500 feet 4-inch pipe; price \$50. f. o. b. cars in Dixon, Ill. Address B. F. PRATT.

FOR SALE—Second-hand florist's refrigerator, used one year, in perfect condition, at reasonable rate. Address J. J. MCMANNON, Lowell, Mass.

FOR SALE—Three greenhouses; two 50x18, one 50x14, shed 15x30, built 2 years. Pots and bedding stock. Near four cemeteries; lot 300x150, on electric line. Reason for selling, bad health. Address R. MITCHELL, 1043 S. Meridian St., Indianapolis, Ind.

FOR SALE CHEAP—Any below items separately or together: Two Hitchings hot water boilers, size 16; 4-inch pipe, 1,700 feet; two greenhouses, total 42x100 feet. Also Hitchings ventilators for 3 houses, being six lifting gears, etc. Address GEORGE V. ADELMAN, Assisnee, Franklin, Venango County, Penna.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. Within 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business wide and established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address MARY A. MCCLINTOCK, Administratrix, Harrisburg, Pa. W. F. DARBY, her Atty., Steelton Pa.

FOR SALE OR RENT.

My greenhouses on North Western Ave., Chicago; 15,000 or 30,000 square feet of glass. Plenty of stock. For particulars address A. T. JACKSON, Station X, Chicago.

FOR SALE OR LEASE. Three greenhouses with valuable grounds; the best place in this country for a man with some means. Address WM. SPRINGBORN, Dubuque, Ia.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 286 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 30 feet in width. The whole place can be bought or rented. Can also be divided; 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL, Belmont and Western Aves., Chicago.

Assignee's Sale.

By virtue of a DECREEAL ORDER, made and entered of record in the County Court of Cook County, for the sale of the property and effects of the estate of Joseph T. Anthony, an Insolvent—NOTICE is hereby given, that sealed bids or proposals for the purchase of all and singular the goods, fixtures and assets of said estate (exclusive of moneys, credits and outstanding accounts) and which consists of greenhouses, situated at No. 3425 Prairie Avenue, Chicago, Ill., and the entire Floral and Horticultural Stock herein contained, all tools and implements used in the business, including horses, wagons, etc., will be received by the undersigned at his office, No. 3425 Prairie Avenue or at the office of his attorney, George Sawin, Room 38, Howland Block, 131 Dearborn Street, Chicago, Ill.

An inventory of said property can be seen and full particulars given by calling upon either of the said persons.

Bids to be enclosed in sealed envelopes, addressed to either said Assignee or said Attorney and such envelopes plainly marked "Bids for Stock." Bids can be received as late as 4 o'clock p. m. June 28th, 1895, and will be opened by said County Court, Saturday, June 29th, at 10 o'clock a. m., should said Court be in session. If said Court is not in session at the above named hour, said bids will be opened at the first session thereafter after at the same hour, at which time said bids will be acted upon by said Court.

Inspection of said stock is invited.

JOSEPH A. MERRIFIELD, Assignee of Estate Insolvent of Joseph T. Anthony.

GEORGE SAWIN, Attorney, Room 38, Howland Block, 131 Dearborn St.

PREPARE ADVS. NOW

FOR OUR

CONVENTION NUMBER.....

TO BE ISSUED

AUGUST 17.

VAUGHAN'S COLUMBIAN CINERARIAS.

PROBABLY there has never before been such a magnificent collection of Cinerarias shown as at the recent World's Fair, not only for beauty and brilliancy of colors, but for size and perfect form. The collection was of course the result of the gathering together of the finest strains from all the celebrated establishments of Europe. The success of our strain of International Pansies has led us to continue the same plan with Cinerarias, and we have secured seeds from the foremost seed growers of the world. Our Columbian Cinerarias equal those seen at the World's Fair.

COLUMBIAN CINERARIAS, mixed, per trade packet, about 1000 seeds, 50c.
CINERARIA HYBRIDA GRANDIFLORA, large flowering sorts, fine mixed, trade packet, 25c.

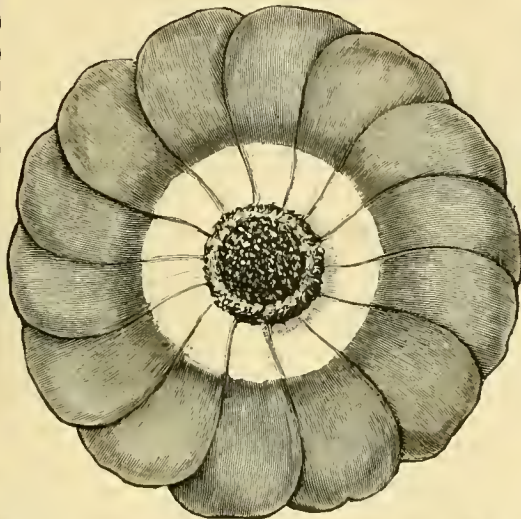
CALCEOLARIA HYBRIDA.

Calceolarias when in bloom at the World's Fair attracted much attention by the great size of the individual flowers and the richness of the colors and markings, many of these being new and distinct. It has been our good fortune to secure seeds of a most magnificent strain. Trade packet, 50c.

GLOXINIA HYBRIDA,

Pkt.
 Finest mixed, 50c.
 Defiance, new, flower large, bright scarlet, 35c.

26 Barclay St., **VAUGHAN'S SEED STORE,** Box 688,
NEW YORK. CHICAGO.



VERBENAS

In bud and bloom, per 100 per 1000
 MAMMOTH, bushy plants, \$3.00 \$25.00
 GENERAL COLLECTION bushy plants, 2.50 22.00

ROSES.

AMERICAN BEAUTY, fine, clean, healthy stock, 2 1/2-inch, \$3.00 \$75.00
 3-inch, 10.00 95.00
 HYBRID PERPETUAL, fine young fall propagated, 2 1/2-inch, 5 00 45.00
 Strong 5 and 6-inch in bud and bloom, 25.00

CHRYSANTHEMUMS.

Fifty fine varieties, \$1.00 to \$6.00 per 100

MISCELLANEOUS BEDDING PLANTS.

ANTHEMIS from 2 1/2-inch pots, Per 100 \$4.00
 " " 3-inch, 6.00
 ALTERNANTHERA, 3.00
 AGERATUM Blue and White, 3.00
 COLEUS from 1 1/4-inch pots, \$25 per 1000 3.00
 DRACENA, 3-inch, strong and bushy, 5.00
 " " 5-inch, strong, large plants, 40.00
 TERMINALIS, nicely colored, 5 in. \$4 per dozen
 FUCHSIAS, 3 1/2-inch pot, splendid variety, 8.00
 GERANIUMS double and single, 2 1/2-inch pots, 8.00
 " " 2 1/2-inch, 4.00
 HELIOTROPE, 2 1/2 and 3-inch pots, \$3 and 5.00
 SALVIA SPLENDENS, 2 1/2 and 3-in. pots, \$3 and 5.00
 CARNATIONS, 3 1/2-in. pots, summer blooming, 15.00
 CANNAS, Mme. Crozy, Creole and 6 other varieties, strong dry roots, 4.00
 P. NDANUS UTILIS, 5 and 6-in. pots, \$5 & \$8 per doz.

WOOD BROTHERS,

Fishkill, N. Y.
 Mentlon American Florist.

ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England, & Bruges, Belgium.

A. DIMMOCK, Agent, care Rolker's Auction Rooms, 105 and 108 Liberty Street, New York City
 Send for illustrated catalogue.

Smilax Plants.

Extra strong, from 2 1/2-inch pots, now ready for 3-inch pots,

\$15.00 per 1000.

THE NATIONAL PLANT CO.
 DAYTON, O.

Prepare advs. now

FOR OUR

CONVENTION NUMBER,

TO BE ISSUED

AUGUST 17.

Herr's Pansies.

A Little Booklet (ready July 1st) tells you why they are the best investment you can make at \$5.00 per 1000.

BOOKLET CAN BE HAD FOR THE ASKING.

L. B. 496. ALBERT M. HERR, Lancaster, Pa.

SEASONABLE STOCK.

IN FIRST-CLASS ORDER.

Per 100
 Acalypha Macafeeana, 2 1/2-inch pots, \$5.00
 Ageratum, Cope's Pet, 2 1/2-inch pots, 2.00
 Alyssum, Tom Thumb, 2 1/2-inch pots, 2.50
 Begonia Vernon, 2 1/2-inch pots, 3.50
 Cannas, dry roots, French seedlings, 2.00
 Coccoloba (Muehlenbeckia) Platycada, 2 1/2-inch pots, 3.00
 Coleus, Golden Crown, Firebrand, Beckwith's Gem, Purple Prince—a sturdy variety, superior to Hero, 2 1/2-inch pots, 2.00
 Ariel, dwarf, a beautiful var., 2 1/2-inch pots, 4.00
 Cuphea platycentra, 2 1/2-inch pots, 2.50
 Fuchsias, lending sorts, 2 1/2-inch pots, 4.00
 Cazania splendens, 2 1/2-inch pots, 5.00
 Ceraniums, Gen. Grant, and other lending bedding sorts, 2 1/2-inch pots, 4.00
 Ivy, Souv. de Chas. Turner, P. Crozy, etc., mixed, 2 1/2-inch pots, 4.00
 German Ivy, 2 1/2-inch pots, 2.00
 Hibiscus, mixed rubra, grandiflorus, etc., 4-inch pots, 8.00
 Heliotrope, 2 1/2-inch pots, 3.00
 Pilea Serpyfolia, 2 1/2-inch pots, 2.50
 Solanum Jasminoides, 2 1/2-inch pots, 10.00
 Stevia serrata variegata, from flats, strong 2.00
 Swainsona galegifolia alba, very fine and strong, 2 1/2-inch pots, 4.00
 Manettia bicolor, 2 1/2-inch pots, 5.00
 Alternanthera, rooted cuttings,75
 Coleus, rooted cuttings,75

N. B.—The above prices are f. o. b. at Oyster Bay, without the pots.

SEAWANHAKA GREENHOUSES,

P. O. Box 34. Oyster Bay, Queens Co., N. Y.
 Mentlon American Florist.

For Forcing

Roses, Carnations, Chrysanthemums and bulbs, and for inducing a healthy growth of all plants, there is nothing equal to

Albert's

Horticultural Manure.

It is highly concentrated, and made from pure chemicals.

Write for sample, trade prices, and discounts on retail packages.

ROBT. L. MERWIN & CO.,

General agents, United States, 88 Wall St., New York

CARNATIONS A SPECIALTY.

Field-grown plants, ready in September. Send for prices.

GEO. HANCOCK & SON, Grand Haven, Mich.

CARNATIONS.

ROOTED CUTTINGS OF

KOHINOOR, PURPLE KING,

and many of the standard kinds. Prices on application.

C. J. PENNOCK,

The Pines. KENNETT SQUARE, Chester Co., PA.

NEW AND TESTED

CARNATIONS

OUR SPECIALTY.

Send for price list.

FISHER & AIRD,

ELLIS, NORFOLK Co., MASS.

THE COTTAGE GARDENS,

Queens, Long Island, N. Y.

WHOLESALE CARNATIONS.

LIZZIE MCGOWAN,

\$1.50 per 100; \$12.50 per 1000.

A few PORTIA, AMERICAN FLAG, and EDNA CRAIG, at same price. All others sold out.

Guaranteed stock, well-rooted, free from disease, strong and stocky.

ALEX. McBRIDE, Alplaus, N. Y.

Michel Plant and Bulb Co., WHOLESAL FLORISTS,

ST. LOUIS, MO.

Fred. Dorner & Son, LA FAYETTE, IND. NEW CARNATIONS.

Always mention the American Florist when writing to advertisers.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

The Color Question.

The AMERICAN FLORIST is now having carefully and accurately reproduced by lithography a chart of colors prepared for us by Mr. F. Schuyler Mathews and containing 30 of the most important shades. This chart may be depended upon as absolutely accurate and will undoubtedly be accepted as the standard in color description of flowers. We shall use this chart as a supplement to our convention number of 1895, to be issued August 17. Every subscriber at that time will receive a copy free with his paper. Extra copies of the chart will be supplied at 25 cents each.

The publication of this chart was a work of great expense but the urgent necessity for such a universal standard was such that we felt impelled to incur the expense and give the chart a wide circulation at once by making a present of a copy to each of our readers.

We have also in preparation several other attractive special features for our Convention Number.

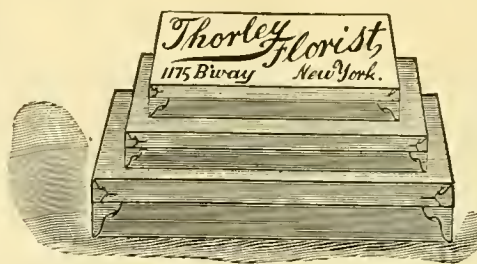
NEW YORK AT THE COLUMBIAN EXPOSITION is a large volume of 647 pages, containing the report of the Board of General Managers for New York. From this we learn that in the Horticultural Building the state of New York occupied 20,000 square feet of space, and in addition to this 50,000 were taken up by the New York greenhouses, and 92,000 feet by lawns and gardens. This state easily led all competitors in this department, and great praise must be given to Mr. Dean and his assistant, Mr. Donlan, for their able work.

INSECTS AND INSECTICIDES, by Prof. C. M. Weed, is a practical manual of injurious insects attacking garden, farm or orchards, and the methods of combatting their ravages. The present issue is a second edition. The book is most thoroughly practical, describing all the important pests in detail and the preventives to be used against them. It will prove of sterling value to any gardener or florist. The book contains 336 pages, 176 engravings and 16 full page plates. (Orange Judd Co., New York. Price \$1.50).

A WHITE Marechal Niel rose is a novelty announced by a German rose grower.

Foreign Notes.

At a recent English orchid sale twelve plants of Cattleya Hardyana, including several varieties, were sold for £519 17 shillings (\$2,604), an average of \$217 each. This cattleya is regarded as a natural hybrid, the supposed parents being C. Dowiana aurea and C. gigas, and is of extraordinary beauty.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

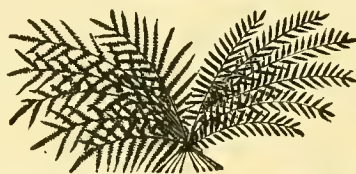
THE NATIONAL FOLDING BOX & PAPER CO.,

NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.

ELLIOTT'S ASPARAGUS PLUMOSUS NANUS.

The finest Decorative material grown. Graceful, durable and appropriate.

FOR JUNE WEDDINGS many thousands of yards will be used. This stock is grown to perfection in extensive houses specially constructed for this purpose, and can be shipped long distances without injury. PRICE PER STRING, 8 TO 10 FEET LONG, 50 CENTS.

WM. H. ELLIOTT, Brighton, Mass.**Hardy Cut Ferns,**

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc
SPHAGNUM MOSS IN ANY QUANTITY.**H. E. HARTFORD, 18 Chapman Place, BOSTON.****The Boston Flower Market**

s prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of Sale. TERMS STRICTLY CASH.

Address **JOHN WALSH, MANAGER,**
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."**Ellis & Pollworth,**
WHOLESALE
CUT FLOWER GROWERS' AGENTS,Dealers in Florists' Supplies—Wire Work.
Introducers of the new Scarlet Carnation "LIZZIE GILBERT." Send for prices.
386 Broadway, MILWAUKEE, WIS.
Box 75. Phone 1273.**John Conley & Son,**
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

We sometimes complain of the cumbersome names bestowed on chrysanthemums by our own growers, but here are some recent examples from French catalogues that dwarf our names to insignificance: Souvenir de Mile. Helene Amhanopulo, Lutilloux, Souvenir de sa Majeste le Tzar Alexandre III., S. M. I. la Tzarine Marie Feodorowna (two of the longest perhaps on record), and Souvenir de M. Auguste Nouin.

A novel horticultural exhibition is to be held at the Hague, Holland, July 8-16, being an international exposition of useful and medicinal plants. It is under the auspices of the Royal Society of Zoology and Botany. In addition to the plants themselves there will be exhibits of vegetable products and books and instruments for their study.

DO YOU WANT the census statistics regarding the florist, nursery and seed trades? You will find them in our trade directory and reference book for 1894. Price \$2.00.

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

H. L. SUNDERBRUCH,
Wholesale Florist
4TH AND WALNUT STREETS,
Cincinnati, O.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS,
495 Washington St., BUFFALO, N. Y.
SHIPPING ORDERS CAREFULLY ATTENDED TO.
OTHER SPECIALTIES:
Florists' Supplies, Wire Designs, Bulbs,
Long's Florists Photographs,
Catalogues, Lists, Terms, etc., on application.

W. ELLISON,
WHOLESALE
Cut Flowers and Florists' Supplies
WIRE DESIGNS.
1402 PINE STREET,
St. Louis, Mo.

C. A. KUEHN,
(Successor to ELLISON & KUEHN.)
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.

A complete line of Wire Designs.
WISCONSIN FLOWER EXCHANGE,
CUT FLOWERS, PALMS, FERNS.

We believe the list of stock we offer to the trade in the above line of specialties to be the finest and most complete made by any firm in the northwest. If you have not received our June quotations, please notify us.

WISCONSIN FLOWER EXCHANGE,
MILWAUKEE, WIS.

JULIUS LANG,
(Formerly with THEO. ROEHRS.)
Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.

E. H. HUNT,
WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS,
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and **FLORISTS' SUPPLIES.**
 34 & 36 RANDOLPH STREET,
CHICAGO.

T. J. CORBREY,
Wholesale Commission Florist,
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
Wholesale Florist,
 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
 34 & 36 Randolph Street,
 PHONE MAIN 223, CHICAGO.
HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. CHICAGO.

Our Roses best them all, in quality. Headquarters for fine American Beauties.

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL Co.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
WHOLESALE
COMMISSION FLORISTS,
 41 Wabash Avenue,
 Telephone Main 3208. CHICAGO.

Consignment solicited. Prompt attention to all orders.

Cycas Leaves. FRESH CUT
 each 75c.
VAUGHAN'S SEED STORE, P. O. Box 688. Chicago.

Wholesale Markets.

Cut Flowers.

NEW YORK, June 18.	
Roses, Perle, Hoste, Cushn	1.00@ 2.00
" Mermet, Waterville, Brides	1.00@ 3.00
" Bridesmaid	1.00@ 3.00
" La France	1.00@ 3.00
" Testout	1.00@ 3.00
" Meteor	1.00@ 3.00
" Beauty	5.00@ 20.00
" Jacq, outdoor	.75
" Moss per bunch	50@1.00
Carnations	.25@ .75
" fancy	1.00@ 2.00
Valley	2.00@ 3.00
Harrisil hills	6.00@ 8.00
Mignonette	1.00@ 4.00
Sweet peas, per 100 bunches	.75c
Corn flowers	.50
Smilax	25.00
Adiantum	1.00
Asparagus	50.00
BOSTON, June 18.	
Roses, Niphotos, Gontler	1.00@ 2.00
" Perle, Sunset	2.00@ 3.00
" Mermets, Brides	3.00@ 5.00
Carnations	.35@ 1.50
Valley	3.00@ 4.00
Longflorum	6.00@ 8.00
Mignonette, Stock	1.00@ 2.00
Paeonies	2.10
Pansies	.25@ .50
Adiantum	1.00
Smilax	20.00@ 25.00
Asparagus	50.00
PHILADELPHIA, June 18.	
Roses, large teas	3.00@ 4.00
" small teas	2.00@ 3.00
" Beauties	10.00@ 25.00
Carnations	.50@ 1.00
Asparagus	35.00@ 50.00
Valley	3.00@ 4.00
Cattarbs	25.00@ 35.00
Sweet peas	.35
Smilax	15.00@ 25.00
CHICAGO, June 20.	
Roses, Beauties select	15.00@ 25.00
" seconds	8.00
" Large teas	1.50@ 3.00
" Kaiserin, Testout extra	3.00@ 4.00
Carnations	.25@ .75
" fancy	1.00
Valley	3.00
Cornflowers, per doz. bunches	.50@ .75
Sweet peas	.40
Paeonias	8.00
Smilax	15.00@ 20.00
Adiantum	.50@ 1.00
Coreopsis	1.00
Gladiolus	8.00
BUFFALO, June 18.	
Roses, Beauty	15.00@ 25.00
" Mermet, Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle, Hoste, Cushn	3.00
Carnations, long	1.00@ 1.25
" short	.75
Sweet peas	.30
Valley	3.00
Smilax	15.00@ 20.00
Adiantum	1.25
Asparagus	50.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART,
Cut Flowers and Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

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FLORISTS
 JOEBERS IN
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 FLORISTS'
 VASES.

METS,
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 CARNATIONS,
 ALWAYS ON HAND.

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 HORTICULTURAL AUCTIONEERS.

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Wholesale Florist
 REAR OF 42 S. 16th STREET,
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You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

THE LEADING FAVORITES:

American Beauty,
Bridesmaid,
Meteor,
Testout,
 And all other desirable roses, grown especially for first-class trade.

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Cut Flowers,

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FLORIST,
 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application.

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Careful Shipping to all parts of the country. Price list on application.

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JOHN YOUNG,
FINE ROSES
WHOLESALE,
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THEO. ROEHRB,
WHOLESALE
FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

WELCH BROS.,
Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

News Notes.

UTICA, N. Y.—On June 6 fire did damage to the greenhouses of Peter Crowe estimated at \$1,000.

JANESVILLE, WIS.—J. K. Downs has let the contract for a greenhouse at 252 Prospect avenue.

LXINGTON, KY.—The City Council has passed an ordinance providing for the establishment and maintenance of a public park.

LACROSSE, WIS.—The Board of Trade will memorialize the City Council to at once proceed to acquire land for a system of parks.

PALATKA, FLA.—E. A. Kuiskern lost heavily from the frost in January, and is closing out his place here. He will probably start anew in some other locality.

SALT LAKE CITY, UTAH.—The capital stock of the Utah Nursery Co. has been increased from \$50,000 to \$125,000. The place of business is removed from this city to Sugar House.

SAN ANTONIO, TEX.—The annual battle of flowers took place June 5. The affair is in commemoration of the battle of San Jacinto. The display attracted thousands of visitors to the city.

KANSAS CITY, MO.—The new board of park and boulevard commissioners has been appointed by Mayor Davis and will be composed of the following members: A. R. Meyer, president; Robert Gillham, S. B. Armour, A. Van Brunt and Charles Campbell.

POMONA, GA.—Philip Smith has retired from the nursery business here. The demand for nursery stock in all lines is better than it has been for some time. Fruit crops are very promising, Japan plum trees especially being very heavily loaded with fruit.

SAN FRANCISCO—The California State Floral Society gave its second annual exhibition of sweet peas June 14. There was a large display, including all the Eckford novelties. A paper on sweet peas sent by Rev. W. T. Hutchins was read to the society.

PORTLAND, OREGON.—The third annual rose show under the auspices of the floral section of the Oregon State Hort. Society was very successful. There were 41 exhibitors and some of the collections were remarkably varied and complete. The attendance of visitors was large.

GENEVA, ILL.—Mann's Island, located in Fox River, was dedicated June 12 with elaborate ceremonies as a park. The island is situated almost in the center of this city and is one of the most beautiful spots in Illinois. It is magnificently wooded and carpeted with a hue sward.

CHATTANOOGA, TENN.—It is reported that immediate steps will be taken by the United States government to acquire about one thousand acres of land adjoining the Chickamauga, Chattanooga, National Military Park and incorporate it with the park proper. Embraced in the coveted ground are the Cloud Springs property, where the old federal hospital stood, and the Dixon and Hardaway farms. Much of the ground saw hard fighting, and was not far removed from the main struggle for the right of way to Chattanooga. Condemnation proceedings will be at once begun, perhaps in the United States court at Atlanta, inasmuch as the property is in Georgia.

NOW READY.**Bermuda Grown Bulbs.****WHITE ROMAN HYACINTHS:**

If planted promptly can be forced for THANKSGIVING, or earlier if desired. 3 1-2 to 5 1-2 inches in circumference, 50c per dozen; \$3.00 per 100; \$25.00 per 1000.

If to be sent by mail add 5c per dozen for postage.

CHINESE SACRED NARCISSUS:

75c per dozen; \$5.00 per 100; \$45.00 per 1000.

If to be sent by mail add 35c per dozen for postage.

FREESIA REFRACTA ALBA:

First Size Bulbs, 50c. per 100; \$3.50 per 1000.

Selected Large Bulbs, 75c per 100; \$5.50 per 1000.

If to be sent by mail add 5c per 100 for postage.

Lilium Longiflorum Eximium: (September Delivery.)

Selected, pure white, Japan stock.

5 to 7-inch bulbs, \$2.50 per 100; \$23.00 per 1000.

7 to 9-inch bulbs, \$5.00 per 100; \$45.00 per 1000.

SELECTED STRAINS OF CHOICE FLORISTS' FLOWER SEEDS.

CINERARIA GRANDIFLORA; CALCEOLARIA GRANDIFLORA; PRIMULA, P. & M's Standard; CYCLAMEN GIGANTEUM; PANSY, unsurpassed mixture. 50c per trade packet, or one packet of each of the five varieties for \$2.00.

SEND US A LIST OF YOUR REQUIREMENTS IN FALL BULBS for SPECIAL ESTIMATE.

PITCHER & MANDA, INC.,

Short Hills, N. J.

THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities of seed from an ounce to a grain, seals up the bag, and runs three thousand per hour. Illustrated Circular on application.

THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.



A SPECIAL FINE LOT OF
SWORD FERNS,
stocky, well-rooted, grown in leaf mould. Average height 8 to 20 in., well furnished d. Price \$12 per 1000, 500 for \$7.
Have lots of other plants.
REASONER BROS.,
ONECO, FLA.

JOHN N. MAY,

WHOLESALE GROWER OF

Roses, Carnations, Chrysanthemums and Cannas.

All of which are now ready.

SUMMIT, NEW JERSEY.

PREPARE **NOW**
ADVS.

FOR OUR

Convention
Number

TO BE ISSUED

AUGUST 17.

The most Complete Assortment of Stock in the West for

FLORISTS and NURSERYMEN.

Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.

Catalogue and Price List free.

THE STORRS & HARRISON CO.,
Painesville, Ohio.

JUNE OFFER.

Per 100
ALTERNANTHERA, red and yellow, 2½-in. pots . . . \$2.00
GERANIUMS, assorted, 2½-inch pots . . . 2.75
COLEUS, " 2½-inch pots . . . 2.00
FANSIES, . . . 1.00
SMILAX, assorted, 2½ inch pots . . . 2.00
ROSES—Mermets, Brides and Bridesmaid . . . 3.00
CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.

MRS. THEODOSIA B. SHEPHERD,
VENTURA-BY-THE-SEA, CALIFORNIA.

Crower of RARE SEEDS, BULBS, PLANTS, CACTI and SUCCULENTS.

Takes contracts to grow all kinds of stuff in quantity.

SPECIALTIES:

Seeds of New Cosmos, Chrysanthemum, Ipomoea Heavenly Blue, Begonia and Nasturtium. Send for trade list.

E. G. HILL & CO.,
Wholesale Florists

RICHMOND, INDIANA.

HYACINTHS, TULIPS, DAFFODILS, NARCISSUS, LILIES,

And all other Bulbs for forcing and outdoor, in very fine quality, at very low rates.

References as to quality of our Bulbs, we can give you to nearly all the leading Bulb Importers of the United States.

Send your orders **AS SOON AS POSSIBLE**, as we commence despatching Bulbs soon.

SEGERS BROTHERS, WHOLESALE BULB GROWERS, LISSE, near Haarlem, HOLLAND.

IMPORT PRICES
ON ALL
FALL BULBS
NOW READY.
Seasonable
Deliveries
on
Every Item.


VAUGHAN'S SEED STORE

New York: 26 Barclay St. CHICAGO: 84 & 86 Randolph St.



Gordiner's Celebrated English Mushroom Spawn. Fresh and Reliable. \$7 per 100 lbs. Special price on larger quantities. John Gordiner & Co., Philadelphia, Pa.

LILIUM HARRISII.
Original and largest growers of this important bulb.
OUR SPECIALTY!
True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
TARRYTOWN-ON-HUDSON, NEW YORK.



NO DISEASE
among the Longiflorums from Japan.
Why not try some of these instead of the Bermuda stock? Cheaper, and no disease. I can deliver by Oct. 1st if I hear from you at once. Three sizes, 5 to 7 in., 6 to 8 in., and 7 to 9 in.; guaranteed 75 per cent. single crowns, and Delivered on Time, if I hear from you at once. Let me figure on your other wants in the bulb line.
G. C. WATSON, 43 North 10th Street, PHILADELPHIA, PA.

H. H. BERGER & CO.
(Established 1878) SAN FRANCISCO, CAL.
NEW PRICE LIST. Send for it.
Headquarters for
FREESIA REFRACTA ALBA,
LIL. LONGIFLORUM,
AURATUMS, and all other Japan Lilies.
ESPECIALLY LOW PRICES FOR EARLY ORDERS.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF
FLORISTS'
Plants, Seeds and Bulbs.
NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.



TRY DREER'S GARDEN SEEDS,
Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty. 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

Bulbs! Bulbs!
Per 1000
NARCISSUS Double Van Slon... \$8.00
" Double Incomparable... 4.00
" Double Alba plena odorata... 4.10
" Trumpet Major... 6.00
" Trumpet Yellow... 5.00
" Poeteus... 1.50
" Poeteus ornatus... 5.00
TULIPS La Reine... 3.00
" Scarlet Duc... 3.00
" Artus... 3.10
" Duchess of Parma... 3.40
" Kelseers Kroon... 7.00
" Chrysolora... 7.00
" Yellow Prince... 7.10
" Rosemundt Huikman... 7.00
" Pottebakker, scarlet... 7.00
" Murillo... 10.00
" Tournesol... 10.00
JOHN BARTH BOS, Bulb Grower,
OVERVEEN, HOLLAND.

FINEST OF BULBS
AT LOW RATES.
Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc. (1000 and 10000 rates only), now ready on application.
HULSEBOSCH BROTHERS, Englewood, N. J.

WE SELL SEEDS
Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
Seed Merchants and Growers,
114 Chambers Street, NEW YORK.

American Association of Nurserymen.

At their Indianapolis convention the nurserymen elected officers for the ensuing year as follows: President, Silas Wilson, of Atlantic, Ia.; vice-president, Geo. A. Sweet, of Dansville, N. Y.; secretary, George D. Seager, of Rochester, N. Y.; treasurer, N. A. Whitney, of Franklin Grove, Ill.; executive committee, C. L. Watrous, Iowa; Irving Rouse, New York; and R. C. Berckmans, Georgia. Chicago was chosen as the next place of meeting. Treasurer Whitney reported a balance of \$1500 in the treasury.

On the opening day both Governor Mathews and Mayor Denny were out of the city but on the second day the Governor returned and gave the association a hearty welcome to the state.

The delegates paid a visit to ex-President Harrison and were very hospitably entertained at his home.

The essayists included Prof. F. M. Webster and Prof. L. H. Bailey.

Catalogues Received.

Brown Bag-Filling Machine Co., Fitchburg, Mass., bag filling machines for seedsmen; August Rolker & Sons, New York, insecticides; Davis Heater Co., Racine, Wis., heaters; H. H. Berger & Co., San Francisco, Cal., price list of bulbs, plants and seeds for summer delivery; W. W. Westgate, Houston, Texas, southern decorative material; Gurney Heater Mfg. Co., Boston, Mass., heating apparatus; American Boiler Co., Chicago, the new surface burning "Florida" heater; same, the "Perfect" heater; same, the "Soleil" heater; Victor Schmelz, Sylvan Lake, Fla., native plants, bulbs, etc.; H. Beaulieu, Woodhaven, N. Y., seeds and plants.

CHAMPAIGN FLORISTS; We have referred the matter to the firm mentioned. Please sign your names to future communications or we cannot pay attention. And it would seem no more than right for you to first warn the firm of its error, and name the parties objected to.

Rose Plants

FROM THE

SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride, and Meteor.

Please write, stating just what you want, and I will quote you a bargain.

Originator of the ROSE BRIDESMAID. FRANK L. MOORE, Chatham, NEW JERSEY.

Hybrid Perpetual Roses,

Worked low on the Manetti Stock, offer the best results to the florist, blooming freely and giving plenty of cuttings for propagating quickly. Fine plants for sale by the 100 or 1000, at low rates.

Price Lists to applicants. Address

WILLIAM H. SPOONER, JAMAICA PLAIN, (Boston), MASS.

Rose Plants.

METEOR, very fine stock.

2 1/2-inch.....\$4.00 per 100

3-inch.....\$6.00 per 100

BROWN & CANFIELD, Springfield, Ill.

BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw the New Rose growing, "I am agreeably disappointed; I had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF. \$35 PER 100; \$250 PER 1000.

SIEBRECHT & WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave.

NEW ROCHELLE, N. Y.

FORGING ROSES

First-Class Stock.

Table listing various rose varieties like PERLES, BRIDES, MERMETS, etc. with prices per 100.

BEDDING ROSES, 2-in. pots.

Table listing bedding roses like MAURICE BOUVIER, MARIE LAMBERT, etc. with prices per 100.

LITTLE GEM CANNAS, 2-inch, \$5.00 per 100; 2 1/2-inch, \$6.00 per 100.

NEW YORK: VAUGHAN'S SEED STORE, CHICAGO: 26 Barclay St. GREENHOUSES WESTERN SPRINGS, ILL. 84-86 Randolph St.

Last Call. Not Many Left.

Table listing remaining stock like 2,000 Am. Beauties, 5,000 " " 2-in. pots, etc. with prices.

Also some BRIDESMAIDS, WOOTTONS and MERMETS. All first-class stock. Strong and healthy. Do not delay ordering, as we will soon be sold out.

REINBERG BROS., 51 Wabash Ave. Chicago.

30,000 FIRST QUALITY FORGING ROSES. READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last three years, and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

Table listing various rose varieties like GEN. JACQUEMINOT, ULRICH BRUNNER, etc. with prices.

J. L. DILLON, Bloomsburg, Pa.

Advertisement for T. W. Stemmler, Madison, N. J., featuring roses like BEAUTIES, MERMETS, CUSINS, etc.

FORGING ROSES

PRIME STOCK.

Table listing prime stock roses like 1000 TESTOUT, 1000 BRIDES, etc. with prices.

Samples mailed on application. First come, first served.

L. L. MAY & CO.,

St. Paul, Minn.

Mention American Florist.

FORGING ROSES

OF ALL KINDS.

CARNATION PEACHBLOW.

For reasonable price.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

American Beauty,

Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor, La France, Testout, Kaiserin, Perle, Sunset.

A. S. Mac BEAN, Lakewood, New Jersey.

Mention American Florist.

.....THE ANNUAL
CONVENTION NUMBER

—OF—

The
American Florist
A
WEEKLY
JOURNAL FOR THE TRADE

Will be issued **AUGUST 17, 1895.**

In addition to other specially attractive features it will contain an accurate *CHART OF COLORS*, comprising 30 of the most important shades, prepared for the FLORIST by F. Schuyler Mathews. The color chart will be a permanent part of the paper as readers will be advised of the necessity of keeping it in the paper away from the light except when in use.

The expense of this chart has been very heavy, but it will lend to the issue, of which it will be a part, a very greatly increased value as an advertising medium, as it will be frequently referred to. Still there will be

NO INCREASE IN ADV. RATES,

which will be as heretofore :

FULL PAGE.....	\$42.00.
HALF PAGE.....	21.00.
QUARTER PAGE.....	10.50.
PER INCH.....	1.40.

Subject to time discount to those having term contracts with us.

Send ads. **early** so we may have abundant time to get them up in our best style.

The Convention Number will reach every Trade Buyer in the United States and Canada, and extra copies will be distributed at the Convention.

AMERICAN FLORIST COMPANY,

P. O. Drawer 164.

CHICAGO.

Toronto.

Both the cut flower and the plant trade will by the end of this week figuratively speaking, have gone to sleep for the summer season, and the retailers will be at liberty to take their annual trip to the sea side or to Europe. Growers and gardeners will have plenty to do till the fall to keep them at home, when the retailers will return and begin worrying for flowers again, and the gardeners to prepare for the the winter and next summer.

Rain is badly needed here now, none has fallen for nearly three weeks. Grass and bedding plants are suffering greatly except in small places where the hose can be kept going all time. Old probabilities promised us some showers, and there have been signs, but "signs without are signs of drouth." The thermometer though has behaved pretty well, and has not again reached the notch recorded in May. E.

Holyoke, Mass.

The fourth annual rose show of the Holyoke, Mass., Horticultural Society was held Thursday and Friday, June 13 and 14, and was the largest and most successful ever given by that society. The judge on the roses was W. C. Simons of Springfield, and he awarded C. W. Raulet the first prize for the best collection of 12 varieties of two blossoms in each vase. Rev. Dr. E. A. Reed received second prize and E. S. Waters third. Ex-Congressman William Whiting exhibited a number of beautiful roses. E. C. Taft's greenhouses and gardens were represented by a long table of potted plants and cut flowers, and E. H. Howland also filled a table with the products of his greenhouses. J.

Springfield, Mass.

The annual sweet pea show of the Hampden County Horticultural Society will be held at Springfield Tuesday and Wednesday, July 23 and 24. Prizes to the amount of \$100 will be offered.

The exhibition of garden flowers will be held Tuesday and Wednesday, September 24 and 25, and the closing show of the year, the chrysanthemum exhibition, will come November 12, 13 and 14. Prizes amounting to \$250 will be offered, besides a special International prize of \$50 for the best vase of 100 blooms without regard to the number of varieties. J.

Roemer's Superb Prize Pansies.
The finest strain of Pansies in the World.
Introducer and Grower of all the leading Novelties.
Catalogue free on application.
FRED ROEMER, SEED GROWER,
Quedlinburg, Germany.

CHOICE GOLEUS GROTONS
The plants are in splendid condition for bedding.
Write for estimates on your wants.
JOHN WELSH YOUNG, Germantown, Pa.

New Fuchsia LITTLE BEAUTY, 50,000.
The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$3.50 per 100.
BEGONIA Ombra, from 2 1/2-in. pots, \$9 per 100.
GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$4.00 per 100. Cash with order. Special price on large quantities. **LINCOLN I. NEFF, Florist,**
4010 Butler Street, Pittsburgh, Pa.

30,000 CHRYSANTHEMUMS

For June and July Planting.

NOT REMNANTS OF SPRING STOCK, but nice young plants grown especially for this purpose, and in varieties sure to produce fine blooms. **Send us a list** of the varieties you need, for prices. Delivered any time up to August 15th. If you want dwarf varieties for low houses, we shall be pleased to send a list of such. Or will furnish list of

EARLY MID-SEASON and LATE SORTS as your needs may be.

If you want a choice selection for Exhibition we will advise you of the best. Our stock of present year Novelties is very complete.

ORDER EARLY AND SECURE THE BEST VARIETIES.

NATHAN SMITH & SON, Adrian, Mich.

CHRYSANTHEMUMS.

Healthy, strong young stuff from 2-inch pots, guaranteed true to name. Purchaser's selection, \$2.50 per 100; \$20.00 per 1000.

Our selection, \$2.00 per 100; \$15.00 per 1000.
New Chrysanthemum PHILADELPHIA, 25 cents each; \$2.00 per dozen.
Write for prices on anything that you may want. Can give you good stuff, and the prices will be right.
TERMS CASH. H. W. TURNER, Wholesale Florist, SHARON, PA.

COLEUS.
100 good 2-inch pot plants, in 20 varieties, if wanted, for only \$1.00.
BY EXPRESS. CASH WITH ORDER.
S. O. STREBY,
Lock Box 77,
UPPER SANDUSKY, OHIO.
When writing mention the AMERICAN FLORIST.

PANSY SEED
THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.
New crop now ready. The finest American strain is what every florist wants.
Very finest mixed, all colors, per ounce \$6.00; pkt. 2500 seeds, \$1.00.
The Jennings X X strain, \$8 per ounce; pkt. \$1.00.
Victoria, bright red, pkt. 1.00.
Puro white, pkt. 1.00.
Finest yellow, pkt. 1.00.
Dr. Faust, black, pkt. 1.00.
Dark Blue, pkt. .50.
The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.
E. B. JENNINGS, Wholesale Pansy Grower,
Lock Box 254, **SOUTHPORT, CONN.**

EXTRA PANSY SEED.
MAMMOTH SUNBEAM STRAIN.
A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00.
A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.
JOHN F. RUPP, Shiremanstown, Pa.

PREPARE ADS. NOW
FOR OUR Convention Number
TO BE ISSUED AUGUST 17.

CHRYSANTHEMUMS.
Choice sorts only, \$4.00 per 100.
CARNATIONS.
Fine plants, choice sorts only, 2 1/2-inch, \$2.50 per 100.
ROSES. Brides, Bridesmaids, Meleors, Mermels, La France, Etc.
Good stock, \$2.50 per 100.
American Beauty, strong, \$5 per 100.
Address **NANZ & NEUNER,**
LOUISVILLE, KY.

PALMS.
150,000 of all the leading varieties.
FERNS.
50,000 of leading varieties.
Address **GEORGE WITTBOLD,**
1708 N. Halsted St., CHICAGO.

(CHRYSANTHEMUMS.)
(See list with prices in last number.)
Also Rose "AUGUSTA VICTORIA," in thumb pots, fine young plants, \$5.00 per 100; \$45.00 per 1000.
EDWIN LONSDALE,
WYNDMOOR, near Chestnut Hill, PHILA., PA.

Roses, Palms, Ferns.
17 selected Palms, best varieties, 3 and 4-inch \$3.00
34 " " " " " 3 and 4-inch 5 00
10 " " " " " 4 and 5-inch 3.50
20 " " " " " 4 and 5-inch 6.00
6 " " " " " 6-inch 5.00
Adiantum Ferns, best growers, from beds, per 100 6.00
Sword Ferns, best, 5 00
Roses, choice Teas and H. P.'s, our select. " 2.50
Other fine plants at special prices.
Send for lists. Florists' Moss, Stakes, etc.
WILLIAMS & SONS CO., Batavia, Ill.
Always mention the American Florist when writing to advertise's.

PALM SEEDS

Direct Import, fresh quality. Per 100 Per 1000

Areca rubra.....	1.00	7.00
Geonoma gracilis.....	3.00	25.00
Chamaerops humilis.....	0.50	4.00
arborescens..	0.75	6.00
canariensis..	0.60	5.00
tomentosa.....	1.00	7.50
robusta.....	1.00	7.50
elegans.....	1.00	7.50
Phoenix rupicola.....	1.50	12.50

BRAHEA FILIFERA. Per lb. \$1.00; per 10 lbs. \$7.50.

CHAS. SCHWAKE,
404 E. 34th Street, NEW YORK.

NOW IS YOUR OPPORTUNITY!

JUST ARRIVED, a fresh invoice of splendid CYCAS LEAVES. The largest and best stock we have ever received, and which we offer at same prices as quoted in our Catalogue.

Our great specialty of RICH BASKETS for Commencement and Class Days merits the attention of every florist who would keep up with the times.

ORDER NOW.

Wheat Sheaves and Metal designs in variety, and prices that cannot be duplicated elsewhere in this country.

Send for our New Illustrated Catalogue and Price List.

WE ARE MANUFACTURERS, AND SELL TO FLORISTS, AND TO FLORISTS ONLY.

H. BAYERSDORFER & CO.,

Florists' Supplies of Every Description,

56 N. 4th Street, PHILADELPHIA, PA.



New Catalogue (No. 4) containing over 1000 Ornamental Cuttings for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advices, floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).

A. BLANG, ENGRAVER for Philadelphia, Pa. FLORISTS.

10427. 75 cts.

A. & F. RÖLKER,
AUCTIONEERS OF
Plants, Bulbs, Orchids, Etc.
106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.

PREPARE
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NOW
FOR
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NUMBER
TO BE
ISSUED
AUGUST 17
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Sizes 1½-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter.

With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.


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The Ideal Insecticide.

Send for Pamphlet, etc.

HERRMANN'S SEED STORE,
413 EAST 34TH STREET,
Near Long Island Ferry, NEW YORK.
Mention American Florist.



Kills Mildew and Fungus Growth.
What does?
GRAPE DUST.
Sold by Seedsmen.
Mention American Florist.

LEMON OIL INSECTICIDE,
Used now by the leading Florists.
75c. per quart; \$1.25 per ½ gallon; \$2.00 per gallon; \$9.00 for 5 gallons.
HENRY F. MICHELL,
SEEDSMAN,
1018 Market St., PHILADELPHIA.

G. A. MARVIN, Mather, Wis.,
DEALER IN SPHAGNUM MOSS,
will sell choice Florist's Moss, 35 to 40 lbs. in bale in burlap, for 50c. per bale, or in wire at \$1.00 per 100 lbs. Reasonable discount given on car load lots.



Cycas Leaves.

OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

40c, 45c, 50c, 60c,
75c and \$1 each.


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Florists' Supplies,

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MANUFACTURERS OF
FLORISTS' WIRE DESIGNS
122 W. 25th St. NEW YORK
Mention American Florist



DIANITE CHASES AWAY

Mildew, Rust and similar fungoid growth. It is a finely powdered, non-poisonous, mineral substance. Rosegrowers use it. Apply with bellows on sunny mornings. Added to manure, improves and cleanses it. Original bags, about 112 lbs. sold for \$5 cash; 25 lbs \$1.50; 10 lbs. 75c. **AUGUST RÖLKER & SONS,** Seedsmen. New York, P. O. Station E.

SMILAX.
Nice thrifty stock, \$2.50 per hundred; \$20.00 per thousand.
F. A. BALLER, Bloomington, Ill.

Cleveland.

The Gordon assignment tangle seems to be straightening out in the manner indicated a couple of weeks ago. The sale was advertised in the ordinary legal manner to come off June 10, but instead of separating stock, buildings and real estate, thus making it easy for would-be purchasers to get what they wanted and to leave what was not needed by them, they were to be compelled to take everything or nothing. On the day of the sale nobody interested in the property was to be found on the place, and so far as can be discovered no sale was made or even attempted. The apparent indifference or disinclination to sell, taken in conjunction with the fact that one of the trustees of the Gordon estate is a member of the City Park Board, seems to point in the direction indicated in the letter mentioned above, that is, toward a sale to the city.

The lease of the Cleveland Floral Co. property to Mr. Schneider, formerly of Attica, N. Y., will probably be completed this week or early next week. The present understanding is that Mr. J. B. Keller will act for Mr. Schneider in appraising the stock. Mr. Opitz, who retires, has not yet selected his representative.

The fag end of the season is now with us. Greenhouses are disordered, stock looks hard, the weeds grow apace, though the rain cometh not. Schools and colleges are now having their annual little floral spasms; when these are over we can straighten out the stock, slaughter the weeds and settle down to the deadly dullness of summer.

Williams & Wilson are disposing of some of their well earned dollars in an attempt to fool the coal men. In other words they are boring for gas, which in this region is somewhat like investing in an extremely high priced lottery ticket. A.

THE color question will be settled in our Convention Number, to be issued August 17 next, by the publication of an accurate chart of 30 colors prepared for us by Mr. F. Schuyler Mathews.

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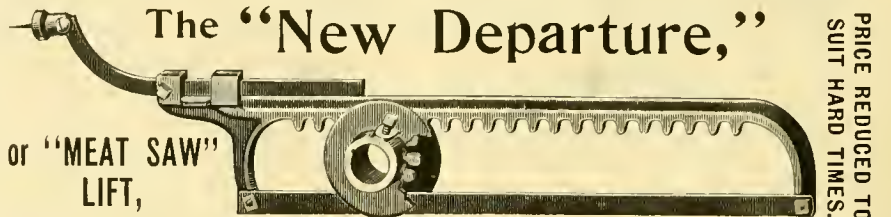
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Send Stamp for Catalogue.

SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?



The "New Departure,"
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LIFT,
Will do the work quick, better, and COST LESS than any other appliance ever invented.

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Pat. Plant Tubs.
NEW IMPROVED
ORCHID CRIBS.
A full line of
Florists Baskets
AND SPECIALTIES.



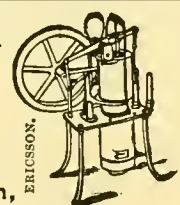
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335 EAST 21ST ST. NEW YORK.
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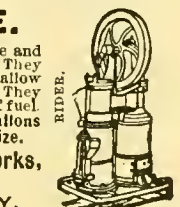
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House, Garden, Stock
or any other purpose.
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DE LAMATER-ERICSSON
PUMPING
ENGINE.

Their operation is so simple and safe that a child can run them. They will pump water from shallow streams or any kind of well. They can be arranged for any kind of fuel. Capacity 1,500 to 30,000 gallons of water a day, according to size.
The De Lamater Iron Works,
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HOT-AIR
PUMPING
ENGINE.



Prepare Advs. NOW
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TO BE ISSUED
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TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.
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Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address
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are the most Economical in the World. Many thousands in use. Send for price and reference.
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exposed or sheltered position in which the individual plants are found growing, it is surprising to find what a large majority of them yield readily

register about 70° in winter and points more

rad, or which are red, and take sev- and bring back n. With newly rnant eyes are ion and respond into the warm, reehouse. On d plants they d and decayed efully sponging potted up and o their better t that syring- of watering to start action. d to stand in lants of like semi-estab- tion they ab- Much more utable sub- as injurious causes, etc.; say a word ever, going vegetative

thousands slike dust. sules ripen grow the them and owever, is small per- many be- enemies. ds are so atasetum and in- rymeria- ia mar- ii, very ion. In almost various n in U. deal of ecies of ectary ia ad- den- lower

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KROESCHELL BROS. CO. IMPROVED GREEN HOUSE BOILER

41 to 59 Erie Street, CHICAGO.

CHICAGO,

189

*To Green House Owners
In case you need a
Green House Boiler
send in your orders
early and avoid delay
in delivery.*

*Yours Truly
Kroeschell Bros*

*A. P.
Send for catalogue*



This is the way it works when set up ready for use

Ventilation considered in be given in gr and day to kee This depar warm angrae such as Dalhc Phalaenopsis; warm cypripee requiring a gre plants require to protect the coat of white p applied with a heavier coat is part of April a will be found nec The Brazilian not need quite as ceding, and duri from 55°-60° by day, with an incr or 70° by night an sun and air, 85°.

...the genus cypripee the same section should be used, otherwise they rarely give perfect results, often resulting in poor issue or crippled flowers. Judgment must be used and only

...the same section should be used, otherwise they rarely give perfect results, often resulting in poor issue or crippled flowers. Judgment must be used and only

Cedar Rapids, Ia.

I. N. Kramer & Son have been awarded damages of \$525 in their suit against a local plumbing firm.

This law suit grew out of the sale to plaintiffs by defendants in the fall of 1893, of a hot water heating apparatus, which was put in the greenhouse of plaintiffs under a guarantee to heat the building to a certain temperature in the coldest weather. After a two month trial of the apparatus complaints were made by the plaintiff that the apparatus was unsatisfactory and the defendant took the entire system out, leaving the greenhouse and office and store room of plaintiff without any heating facilities, in consequence of which the plants were frozen and greatly damaged.

The Kramers claimed that the apparatus was taken out under pretense of repairing it and fixing it so that it would give the required heat, whereas the Messners claimed that the heating apparatus was all right and that the fault was with the plaintiffs in the defective house and inattention to the boiler, and that the apparatus was taken out by them for the purpose of securing their pay for the apparatus, which had not been paid for.

The claim of plaintiff for damages footed up some \$1,500, which the defendants denied and in addition themselves made a claim for several hundred dollars damage which they asserted they had sustained by being compelled to put in the plant and then take it out.

The jury returned a verdict for the plaintiff as above stated.

Worcester, Mass.

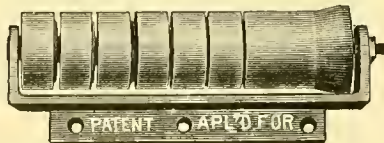
No material change has been noticed in the trade since last report; a few graduation jobs and small weddings being the only things out of the ordinary run. Business has nearly got to its usual summer dullness, but the quality of the stuff brought in is better than ever before at this season. Carnations are very fair size considering the heat, and are a drug on the market. Hybrids are also very plentiful, and the demand light. Inside roses are coming rather small. Spanish iris are fine, but no demand to speak of.

The weekly horticultural show on June 13 was rather small, as but six numbers were scheduled. The exhibits of baskets was very fine, as was also the cut flower exhibit, the hydrangea display was rather weak.

The plant growers have about finished up their hedging and report a very fair trade at fairly remunerative prices.

A. H. L.

PROTECTION FOR HOSE AT LAST.



For sale by all Seedsmen. No florist can do without it. Cheap, practicable and indestructible. 35 cts. each, or \$3.50 per dozen.

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A Full line of Bulb Pans.

Send for Price List. **The Whilldin Pottery Company, 713 to 719 Wharton Street, PHILADELPHIA, PA.**
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Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

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We desire to announce the dissolution of the firm of Sipple Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

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Old Reliable make of ELVERSON, SHERWOOD & BARKER.

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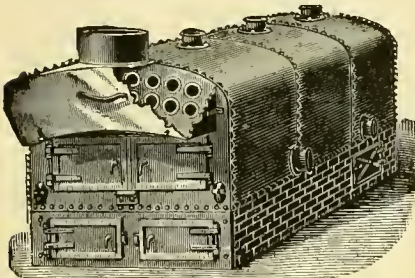
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Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality. Pipe can be easily put together by any one, very little instruction being needed.

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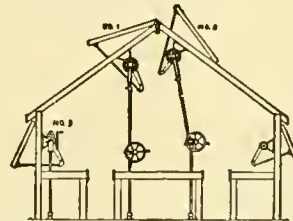
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No repairs for 5 years no chains to break as is the result with others.

Opens Sash uniformly in 100 foot houses a new device.

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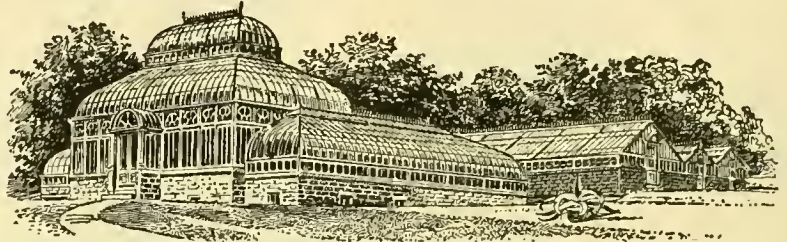
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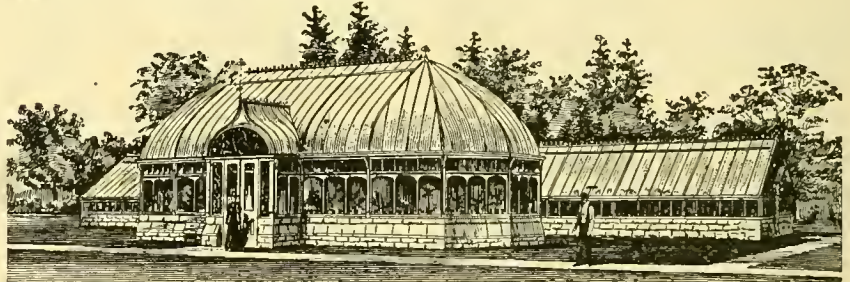


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Throws a powerful spray at such an angle that spraying the underside of the foliage is no effort at all. It is simplicity itself but 'gets there' every time. It is well made of polished brass and will last a lifetime.

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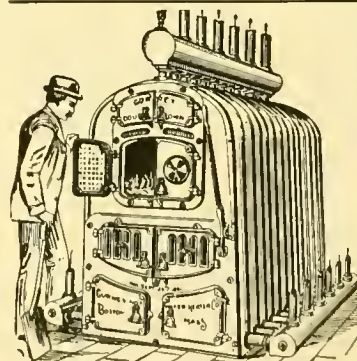
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Vol. X.

CHICAGO AND NEW YORK, JUNE 29, 1895.

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EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. KEINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 20, 21, 22 and 23, 1895.

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GLEN HEAD, N. Y.—Mr. P. H. Scudder has gone to the Adirondacks to look for trout and health for a couple of weeks.

RACINE, Wis.—George E. Ede, florist, has made an assignment to Roy H. Worthington for the benefit of his creditors. The assets are estimated at \$2,500, and the liabilities at \$3,000.

SPRINGFIELD, MASS.—The sixth annual rose show under the auspices of the Amateur Horticultural Society was held at Union Armory on June 18 and 19. The displays were attractive and the attendance exceeded all expectations.

NO. EASTON, MASS.—John McFarland, the Main street florist, while driving through Brockton on the afternoon of June 7 with a load of plants was kicked by his horse and sustained a bad fracture of the leg.

The Parks of Paris.

We are indebted to M. Charles Tavernier, Chief Engineer of the city of Paris, for the following interesting article upon the parks of the French capital, which was kindly translated for us by Mr. I. F. Dubius, an attache of Lincoln Park, Chicago.

The public parks or promenades of Paris may be separated into two sections, those within the city proper and those outside it. Those outside are the Bois de Boulogne and Bois de Vincennes, which although called Bois (forest) are really magnificent parks.

Inside the city are the parks Monceau, Buttes Chaumont, Montsouris, Trocadero and Champ de Mars; in addition to this there are forty-eight public squares and thirty-six other small places covered with vegetation and more or less laid out as parks or public gardens. Outside of these parks, squares and gardens of the city there are three large parks belonging to the government, the Tuileries, Luxembourg and Jardin des Plantes or botanical gardens.

BOIS DE BOULOGNE.

This park, though roughly treated during the siege of Paris, still remains one of the most beautiful in the world. Its transformation is highly creditable to the municipal administration, which spared no expense to accomplish this great work. Previous to its transformation the Bois de Boulogne was only a wood with a few straight drives, these bordered with trees trimmed into symmetry. The improvements started in 1853 and were completed in 1858. The difficulties to overcome were a level piece of ground, a very poor soil and a scarcity of good trees.

The ideas governing the design were: The locating of a lake at the base of the most prominent elevation of the ground, using the earth excavated from this lake to double the height of the elevation, this lake to empty into a larger one located in a low open valley, and whose terminus would be hid in the depths of the forest; from the summit of the elevation vistas were to open in five directions to picturesque points, like Fort Mont Valerien, Boulogne, St. Cloud, the Princes' Avenue and Autenil; a stream fed from the lake, following the contour of the low land in the forest, and forming a grand cascade above the plain of Longchamps, passing from there into the river Seine. A few of the best straight avenues were to be kept, the others to be masked by new plantations, while new and large promenades should encircle the park and connect all the inside drives. All the brush and cheap constructions dotting the plain of Longchamps were to be removed, transforming it into a vast hippodrome. These general ideas were carried out in all particulars.

This park is certainly the promenade of the fashionable people, and its appreciation by the public decided the municipal administration in furthering similar improvement in other localities. The plantations in the park have been done under the direction of a master hand, all trees and shrubs known to stand the climatic changes of the locality being used. Previous to the last war the park contained unique dendrological collections, but many single specimens have been irreparably destroyed.

The total length of drives and walks is 260 miles, the brooks 20 miles. The length of water pipe through the park is 185,962 lineal feet; the number of hose connections is 1800.

The soil being sandy requires a great deal of artificial watering. The quantity of water used daily in the summer time is 1,849,253 gallons, and for the feeding of lakes and cascade 2,313,432 gallons.

The cost of construction has been 16,206,252 francs. The area of the park is 2,095½ acres.

BOIS DE VINCENNES.

This park, situated at the other extreme of the city, is the peer of the Bois de Boulogne; if not from the class of its visitors it is so by the important improvements that have been made, such as superb lakes, running brooks, rushing in cascades across walks and through groves of trees. Large drives give easy access to all parts of the park, and some remarkable effects of thickets and clearings have been produced by the planting.

The total length of drives and walks is 65 miles. The length of water pipe is 181,692 lineal feet; length of water courses is 32,472 lineal feet, and the number of hose attachments is 1,121. The quantity of water pumped from the river Marne daily for sprinkling purposes in this park is 2,774,198 gallons. The construction expenses have been close to six million francs, and the work commenced in 1858 was completed in 1866. The area of the park is 2,358 acres.

PARC MONCEAU.

This, as it stands to-day, was built in 1861 by the city of Paris on part of the old domain of Monceau, dating back to the previous century. It is one of the most perfectly kept parks of the city; rare sub-tropical effects with newly acclimatized plants are tried here first, inculcating in the public mind a love for decorative grounds unknown before. The finest palms, ferns, cycads, etc. of Europe are here admired. All grand natural effects are here reproduced in a small compass, the majestic by single specimen trees, where the sun never pierces through their dense foliage; a water course, a lake, a rustic bridge, a rockery, a small cascade and beautiful openings change the landscape effects from the smiling to the pensive.

Two large drives cross the park from end to end as continuation of abutting boulevards; monumental iron gates decorate the entrances. The area of the park is 20 acres. From 80,000 to 90,000 plants are used during the summer, and 35,000 during the fall and spring. The park is lighted by electric light and kept open to the public until 2 o'clock a. m.

BUTTES CHAUMONT.

The Buttes Chaumont is a remarkable specimen of the landscape art, situated in the northeast of Paris, in a thickly populated district, and occupying ground formerly used as quarries of limestone and plaster. In that part nearest the city the walks follow the incline of the rock ledges, the lawn spaces being filled with humus.

The other part of the park, where the quarries were, is to-day the most picturesque section, but at the cost of an enormous amount of work. The front presented a vertical surface of rock 114 feet high, overlooking the old excavated low land. This was formed into a rocky island 164 feet above the level of the water surrounding it, and on its summit a copy of the Sibylline temple at Tivoli was erected.

The lake is fed by two streams flowing through the main valley, one emptying from a cascade 105 feet high. A suspension bridge 207 feet long shortens the way across the park. A number of driveways 23 feet wide cross the park in different directions, at a grade nowhere exceeding 6 in 100. Five bridges, some of masonry, some of iron and stone combined, and some all iron, cross roads or streams. Few visitors to the park realize the difficulties that had to be overcome to create such smiling effects of nature.

The improvements started in 1864 were completed in 1869 at a cost of 3,412,620 francs. The area of the park is 55 acres. The park is lighted with electric lights and is kept open until 1:30 a. m.

MONTSOURIS.

The park of Montsouris is situated at the southern extremity of the city and is the fourth in size, but its horticultural display is not up to the others. There are very fine views and a beautiful lake, the ground sloping gently to the river Bièvre. In it has been reconstructed the palace of the Bey of Tunis, which was so much admired at the universal exhibition of 1867. The surface of the park is 38 acres; the cost of the improvements have been 1,750,000 francs.

THE TROCADERO PARK.

This has been improved since the exposition of 1878. The central portion is laid out in the French and the outside in the natural style. There is some very fine scenery, specially a "Swiss valley," surrounded by rocks, and a hill planted exclusively with conifers. There is also an aquarium with beautiful grottoes, lined with stalactites. The park covers an area of 25 acres. The improvements completed in 1880 cost 660,978 francs.

CHAMP DE MARS.

Separated from the Trocadero by the river Seine, this has been subject to very many changes since 1889, and may be changed again if another exposition is to be held. Now it is cut up into small gardens, representing different styles, and play grounds, much used on holidays. The surface is 10 acres.

THE CHAMPS ELYSEE.

Cover 23 acres, situated in the most favored part of the city. There is a central avenue, running from the Place de la

Concorde to the Rond-point, a distance of 2,542 feet, 230 feet in width, planted with fine trees dividing the walks, and ornamented with fountains, pavilions, chalets, restaurants, etc. From these the city derives a revenue of 258,000 francs.

L'Avenue du Bois de Boulogne connects the center of the city with the Bois de Boulogne. Its length is 3,936 feet, and its width is 400 feet, divided into one central drive 52 feet wide, one equestrian and one foot walk each 40 feet wide, two grass plats, planted with trees and shrubs, and two roads 30 feet wide, including the sidewalk along the property line. There is also a building line of 33 feet established by the city on each side, and rules governing the fences.

The greenhouses of La Muette furnish all the plants used in the public parks, and also for decoration of the offices of the high functionaries of the state. Three million plants are used yearly for these different purposes. This establishment has a well merited reputation in the horticultural world, and students from all parts are admitted to its tuition. To it must be accredited the merit of having popularized the using of large foliage plants for outdoor decoration. The establishment covers a surface of six acres, almost all under glass, and an annex of eight acres for shrubbery, propagation, etc. It is probable that it will be moved to a larger tract of land better adapted to expansion than the present one. Two nurseries for the raising of the park and boulevard trees are also under its management.

THE TUILERIES GARDENS.

These are the oldest in the city, having been created by Catherine de Medeis, and extensively enlarged by Colbert. On its surface of 60 acres Le Notre carried out his beautiful plan, of which after two centuries the main line still exists.

On the north and south it is bordered by two lateral terraces; the south one is bordered with lindens, some elms, horse chestnut and sycamore, cut back to form curtains, from the front of which the promenade on the bank of the Seine can be viewed. The northern terrace, called Feuillant, in memory of a convent that occupied its site, is planted with lindens cut back on both lateral faces. From one end a beautiful view of the Place de la Concorde is seen, also the Champs Elysees.

One-third of its surface is covered by flower gardens of simple construction, also by the grand fountain and Casino. The other two-thirds is planted with horse chestnuts, and divided all through the center by a large avenue over half a mile long and 320 feet wide. Its terminus is a round place, the center of which is occupied by a basin, around which are four groups of statuary, representing the four seasons. Numerous vases, statues and other ornamental groups give a good idea of French sculptural art.

THE LUXEMBOURG GARDEN

Is principally known on account of its parterres of flowers, and the beauty of its shady spots. The original design from Jacques de Brosse, laid out in 1611, has not been materially changed; the same parterre planting of herbaceous plants with flowering shrubs in the center adorn the front of the palace. An addition of five acres from an old nursery has been made, on which a correctly designed natural park has been laid out. In one part of the park is situated the celebrated Medeis fountain. The area occupied is 62 acres.

JARDIN DES PLANTES.

This is more a scientific establishment than a pleasure ground, and has a world wide reputation as such. For the average population of Paris it is only a place to promenade which is filled with all sorts of plants and animals, but in the eyes of the scientist it is the most complete collection ever gathered by the investigating genius of a great people.

Its origin is ancient, and very modest. At first it was only a garden, where Guy de La Brosse, doctor to Louis XIII, used to cultivate medicinal plants. In 1650 it was first opened to the public. In 1740 it passed under the direction of Buffon, and was considerably enlarged. The animal department was opened in November, 1793. It covers an area of 74 acres. The surface of the ground is flat, in the center of which is a mound known as the Labyrinthe, where stands the cedar of Lebanon planted in 1735 by the celebrated botanist Bernard de Jussieu. On top of the Labyrinthe stands the Belvedere, from which an extensive view over the park is had.

The area of the pleasure grounds for the benefit of the Parisian populace is 49,765 acres, of which 47,813 acres are taken care of by the municipal administration, the remainder by the state.

The department of parks is administered as follows: One chief engineer, who has under his orders (1) an inspector of pleasure grounds, who has charge of new work, repairs of drives, sewers, water pipes, lighting, etc. This man employs 96 guards, divided into nine squads. These are recruited altogether from soldiers decorated with the military medal or the cross of the Legion of Honor. (2) One chief gardener, who has four helpers. (3) One keeper of the Bois de Boulogne, this man employing 43 of the above guards. (4) One keeper of the Bois de Vincennes, with 38 guards. (5) One architect, who has charge of all new and old structures.

The labor force is as follows:

Bois de Boulogne 140 laborers, 65 skilled workmen.

Bois de Vincennes 90 laborers, 40 skilled workmen.

All other pleasure grounds 30 laborers, 156 skilled workmen.

Greenhouses and nursery 82 skilled workmen.

Total number laborers 160.

Total number skilled workmen 343.

The Tuileries and Luxembourg gardens are state property, and are administered by the architect of each palace. Each has under his orders a chief gardener, with respectively 20 and 32 skilled workmen. The Jardin des Plantes is managed by the Minister of Education, who has one special professor, one chief botanist, one chief of culture, one chief of greenhouses, one chief of nursery, one chief of seed laboratory, and 45 skilled workmen.

All the parks are laid out chiefly in the natural style, with French adaptations. The trees and shrubs are disposed singly or in groups. The variety includes all those acclimatized in Paris. Evergreens do not do so well as deciduous trees, as is the case in all large cities, but a considerable variety is planted.

In 1852, under the impulse given by the administration in transforming the city, breathing places and pleasure grounds had to be provided; the Bois de Boulogne came first for improvement, then the main streets that were dark and crowded were straightened, enlarged, and planted with shade trees, as much for the pleasure they afforded as for a new and salubrious



CASCADE IN THE BOIS DE BOULOGNE
THE PARKS OF PARIS.

means of caring for the health of the enormous influx of transient population that flocked into the city. Thus avenues, where quantities of seats invite to rest, and where the traveler finds cool shade during the hot days, were opened first in the principal quarters. Formerly the boulevards were planted with a miscellaneous lot of starling trees, and taken care of by contractors, whose management left much to be desired. For that reason one of the first steps was the creation of a corps of competent gardeners who had at heart the success of the new plantations, which required such diversified study on account of the difficulties which a great city offers to the successful growth of vegetation. The city had to make considerable sacrifices in order to undergo such transformation, not only for imparting the elegance required by the capital, as also for the hygienic benefits to be sought for the welfare of all its inhabitants.

The trees planted were specimens selected for their quick growth, elegance of appearance, beautiful, shade-giving foliage, and freedom from insect pests. To-day all public thoroughfares over 85 feet in width are planted with two lines of trees, and those over 131 feet in width have a grass plat in the center with a line of trees, and also a line on each side of the sidewalk. The number of trees so far planted on the line of such streets is 87,879. The space between trees varies from 16½ feet to 26¼ feet. This depends on their attainable growth; in no case, however, are trees planted closer to buildings

than 16½ feet, and they are 5 feet from any curb or sidewalk. The principal conditions for the beautiful growth of street trees are their adaptability to the situation, the nature of the soil, and especially the sub soil.

Previous to 1812 the Bois de Boulogne was in the same state as all other woods in the suburbs of Paris; cut up with straight drives badly maintained it was not up to the needs of the great city. The first improvements were started in 1853, the lakes were excavated, the drives that were retained were replanted, new lawns were laid out, and choice trees were planted. Some large specimens were moved, with full ball of earth, on specially constructed trucks; then smaller kinds and more delicate species were grouped in protected places. The improvements were completed in 1858.

The Bois de Vincennes was ceded to the city of Paris by an act of the state July 24, 1860, and was similarly improved. The first work undertaken was the excavating of the lake Minimes in 1858. Later, in 1860, after the rapid progress attained on the Bois de Boulogne, the City of Paris obtained title to the plain of Charenton, which was added to the park, and improved as such. To day this beautiful forest, with its fine drives, meandering walks, its many water-courses and beautiful lake, the beautiful grouping of trees and shrubs, and long views over velvety lawns, is one of the finest parks of the city.

Independent of the boulevards and large parks, it was desired to dot the

interior of the city with smaller public gardens, where one could, within easy access, breathe the air purified by a luxuriant vegetation, and where the eyes could rest, and feast on the beauties of the vegetable kingdom, and so the improvements of the squares Tour St. Jacques, Marche des Innocents, des Art et Metiers, le Temple, Viatimille, St. Clothilde, Champs Elysees, Monceau, Buttes Chaumont, Montsouris and fifty others were decided upon, and shortly after completed.

The spirit of improvement was now in full sway, and some system had to be created, some rules adopted, the better to reach a uniform success in such diversified wants. The study of improvement of small breathing places in a great city is not subject to fancy only, but to several governing rules, such as the class of people, the site it occupies in the city, the number of people likely to congregate there, etc. All these points have to be considered in the sizes of lawns, walks, etc.; the design must not only be an artistic study, but must answer these different purposes in a modern way, and in due proportion to the size of the site. Overcrowding with details the point in view must especially be avoided. Some judicious picturesque effects must be introduced in all such compositions, with a well defined aim in view.

The plans must be very complete before work in commenced; it should be well drawn, dimensions carefully noted, and new profile carefully studied. The changes of contour on the surface are the first to

be considered, specially if the ground is bare; then the walks, open lawn, water features and floral display, and last the planting. These are the leading features that must be harmonized. Moving the ground to build an elevation has generally a deceptive and expensive result; what is wanted for a flat piece of ground is to give a natural and graceful rounding line to the walks. Ample provision should be made for sheltered seats overlooking interesting points.

After the ground line has been well determined, the planting should be considered, as it is the contrast of the different trees and shrubs that give color, shade and light in the green masses. For this reason the planting must necessarily be of various kinds, according to the height of the full-grown specimen, the soil they require, their best exposure, and whether grown for foliage, flowers, or fruit.

Our modern parks are also brilliant with their abundance of flowers and foliage plants during the summer months. They are planted in a raised bed bordering the lawn, and sometimes bordering the plantations. The immense amount of plants required yearly for the decoration of the several parks and boulevards rendered necessary the establishment of a vast system of greenhouses. The plant consists of 42 greenhouses and 2000 hotbed sashes. In addition to this there are three nurseries for the raising of large avenue trees, one for ornamental trees, and one for evergreens. About 50,000 specimens are removed every year.

LIST OF TREES AND SHRUBS USED IN THE PARKS AND GARDENS OF PARIS.

ORNAMENTAL TREES.	
FIRST HEIGHT.	HEIGHT IN FEET.
Acer pseudo-platanus and its varieties,	65 to 82
Ailantus glandulosus,	65 to 96
Alnus glutinosa,	50 to 82
Fagus sylvestris and its varieties,	82 to 98
Fraxinus excelsior,	50 to 82
Juglans regia and its varieties,	50 to 98
Liriodendron tulipiferum,	65 to 130
Platanus crenata,	50 to 65
Platanus orientalis,	50 to 82
Populus alba,	50 to 82
" angulata,	50 to 82
" canadensis,	50 to 65
" fastigiata,	50 to 98
" monilifera,	50 to 65
" ontariensis,	50 to 65
Quercus americana and its varieties,	50 to 82
" pedunculata and its varieties,	50 to 82
Robinia pseudo-acacia and its varieties,	50 to 82
Tilia platyphylloides,	50 to 65
Ulmus campestris and its varieties,	50 to 65
" sinensis,	50 to 65
SECOND HEIGHT.	
Acer platanoides and its varieties,	32 to 50
" Negundo and its varieties,	50 to 40
" saccharinum,	32 to 40
(Esculus hippocastanum and its varieties,	40 to 50
Betula alba and its varieties,	40 to 50
Cedrela sinensis,	40 to 50
Fraxinus ornus,	26 to 32
Gleditsia triacanthos,	50 to 60
Gymnocladus canadensis,	32 to 50
Juglans americana and its varieties,	32 to 50
" cinerea,	32 to 50
Magnolia acuminata,	40 to 50
Paulownia imperialis,	32 to 50
Sterocarya elata,	26 to 50
Robinia Bessoniana,	26 to 40
" Becalsneana,	32 to 50
Salix annularis,	26 to 32
" Babylonica,	32 to 50
" Caprea,	26 to 40
Tilia argentea,	26 to 40
Virgilia lutea,	32 to 40
THIRD HEIGHT.	
Acer Monspessulanum,	26 to 32
" Pennisylvanicum,	20 to 26
Catalpa Bungei,	16 to 20
" syringifolia,	20 to 32
Cerasus avium and its varieties,	20 to 32
" pudus,	20 to 32
Crataegus azefolus and its varieties,	20 to 32
" Oxyacantha and its varieties,	16 to 23
Diospyros lotus,	16 to 23
Koeberlinia paniculata,	16 to 20
Malus baccata and its varieties,	13 to 20
" floribunda and its varieties,	13 to 20
" spectabilis and its varieties,	13 to 23
Paula flava and its varieties,	20 to 32

Prunus mirobalana,	13 to 16
" spinosa flore pleno,	13 to 20
" Pissardi,	13 to 20
Robinia hispida,	6 1/2 to 20
" viscosa,	13 to 26
Sorbus americana,	16 to 20
" aucuparia,	16 to 32

CONIFERS.

FIRST HEIGHT.	
Abies excelsa and its varieties,	65 to 130
" Douglasi,	100 to 150
" Nordmanniana,	65 to 115
" pectinata,	65 to 130
Cedrus atlantica,	100 to 130
" Deodora,	80 to 100
" Libani,	65 to 80
Chamaecyparis Boursieri,	80 to 100
Larix Europaea,	65 to 100
Pinus Austriaca,	65 to 80
" Bauhliana,	100 to 130
" excelsa,	100 to 130
" laricio,	65 to 130
" sylvestris,	65 to 100
" strobus,	50 to 165
Sequoia gigantea,	100 to 325
Thuja gigantea,	65 to 130

SECOND HEIGHT.

Abies canadensis,	50 to 65
" Menziesi,	32 to 50
" Pinusapo,	50 to 65
Ginkgo biloba,	50 to 65
Juniperus virginiana,	26 to 50
Larix Kempteri,	32 to 50
Pinus cembra,	50 to 65
Taxodium distichum,	50 to 65
Thuja Warreana,	32 to 50

THIRD HEIGHT.

Biota orientalis and its varieties,	
Cephalotaxus orientalis and its varieties,	6 1/2 to 20
Cephalotaxus Fortunei,	20 to 26
Cryptomeria elegans,	16 to 32
Juniperus communis,	6 1/2 to 20
" Retinospora squarrosa,	3 to 13
Taxus baccata and its varieties,	20 to 32
Thuyopsis dolabrata,	6 1/2 to 13

DECIDUOUS SHRUBS.

FIRST HEIGHT.	
Caragana altagana,	10 to 20
Cercis siliquastrum,	16 to 20
Colutea arborea,	6 1/2 to 16
Corylus avellana and its varieties,	10 to 16
Cytisus laburnum,	16 to 26
" trifolius,	10 to 13
Maclura aurantiaca,	16 to 26
Magnolia obovata and its varieties,	13 to 16
" Soulangeana,	16 to 26
" Yulan,	13 to 16
Ptelea trifoliata,	6 1/2 to 13
Sambucus canadensis,	6 1/2 to 16
" nigra and its varieties,	10 to 20
" racemosa,	6 1/2 to 13
Syringa Rhothomagensis,	6 1/2 to 13
" vulgaris and its varieties,	6 1/2 to 13
Tamarix indica,	6 1/2 to 16
Tamarix tetantra,	6 1/2 to 13
Xanthocephalus sorbifolia,	6 1/2 to 13
SECOND HEIGHT.	
Berberis vulgaris and its varieties,	3 1/4 to 10
Calycanthus floridus,	3 1/4 to 10
" praeox,	3 1/4 to 10
Cornus florida,	6 1/2 to 10
" masculina,	6 1/2 to 10
" sanguinea,	3 1/4 to 10
" Siberica,	3 1/4 to 10
Cotoneaster frigida,	3 1/4 to 6 1/2
Cydonia japonica,	3 1/4 to 6 1/2
Deutzia scabra,	3 1/4 to 6 1/2
Fontanisia phylliroides,	6 1/2 to 10
Forsythia suspensa,	6 1/2 to 10
" viridissima,	3 1/4 to 6 1/2
Hibiscus syriacus,	3 1/4 to 10
Indigofera Desous,	3 1/4 to 6 1/2
Kerria japonica,	2 1/4 to 10
Philadelphus coronarius,	3 1/4 to 10
" Gordonianus,	3 1/4 to 10
" inodorus,	3 1/4 to 10
Rhamnus cathartica,	3 1/4 to 10
" frangula,	3 1/4 to 10
Rhus cotinus,	6 1/2 to 10
Ribes aureum,	3 1/4 to 10
" Gordonianum,	3 1/4 to 10
" sanguineum,	3 1/4 to 10
Spiraea Lindleyana,	6 1/2 to 10
Staphylea trifolia,	6 1/2 to 10
" colchica,	6 1/2 to 10
" trifolia,	6 1/2 to 10
Symphoricarpos racemosus,	3 1/4 to 6 1/2
" vulgaris,	3 1/4 to 6 1/2
Syringa Josikava,	3 1/4 to 6 1/2
" Persica,	6 1/2 to 10
Viburnum Lantana,	3 1/4 to 10
" opulus,	3 1/4 to 10

THIRD HEIGHT.

Desmodium penduliflorum,	1 1/2 to 3 1/4
Deutzia crenata,	1 1/2 to 6 1/2
" gracilis,	1 1/2 to 3 1/4
Rhodotypos kerrioides,	1 1/2 to 6 1/2
Ribes alpinum,	3 1/4 to 5
Spiraea callosa,	3 1/4
" Douglasi,	3 1/4 to 5
" lanceolata,	3 1/4
" prunifolia,	3 1/4
" sorbifolia,	3 1/4
" Thunbergi,	3 1/4
Weigelia amabilis,	3 1/4 to 5

Weigelia alba,	3 1/4 to 5
" rosea,	3 1/4 to 5

EVERGREEN SHRUBS.

FIRST HEIGHT.	
Bambusa aurea,	6 1/2 to 16
" Metake,	6 1/2 to 16
" nigra,	6 1/2 to 16
" Quihoui,	6 1/2 to 16
Crataegus pyracantha,	6 1/2 to 16
Ilex aquifolium and its varieties,	6 1/2 to 16
Ligustrum Iboti,	6 1/2 to 16
" japonica,	6 1/2 to 13
Magnolia grandiflora and its varieties,	6 1/2 to 16
Phillyrea latifolia,	6 1/2 to 13
Rhamnus alaternus and its varieties,	6 1/2 to 13
SECOND HEIGHT.	
Baccharis halimifolia,	3 1/4 to 10
Buxus sempervirens and its varieties,	3 1/4 to 10
" rotundifolia,	3 1/4 to 10
" Balearica,	3 1/4 to 10
Elaeagnus reflexa,	3 1/4 to 10
Lauro-cerasus caucasica,	5 to 10
" colchica,	5 to 10
" Lusitanica,	3 1/4 to 10
Ligustrum ovalifolium,	3 1/4 to 10
" sinense,	3 1/4 to 10
THIRD HEIGHT.	
Aucuba japonica and its varieties,	3 1/4
" Himalaica,	3 1/4
Berberis dulcis,	3 1/4
" Darwini,	3 1/4
Cotoneaster buxifolia,	3 1/4
" microphylla,	3 1/4
" Simonsi,	3 1/4
Euonymus japonicus and its varieties,	3 1/4 to 5
Ligustrum lucidum,	3 1/4
Nahonia aquifolia,	1 1/2 to 3 1/4
" Beali,	3 1/4
Ruscus racemosus,	1 1/2 to 2 1/2
Viburnum tinus,	3 1/4

SHRUBS FOR SANDY, LEAFY SOIL.

Andromeda japonica,	3 1/4
Arbutus Unedo,	3 1/4 to 13
Azalea mollis,	1 1/2 to 2
" Pontica,	3 1/4
Kalmia latifolia,	3 1/4 to 6 1/2
Rhododendron varieties,	3 1/4 to 10

CREEPERS.

Akebia quinata,	13 to 20
Annelopsis hederaea,	10
Aristolochia siphon,	10
Bignonia radicans,	26 to 32
Clematis florida,	10 to 16
" lanuginosa,	10 to 16
" montana,	10
" viticella,	20 to 26
Hedera helix,	15
Jasminum nudiflorum,	6 1/2 to 10
" officinale,	6 1/2 to 10
Lonicera brachyopoda,	10 to 16
" caprifolium,	13 to 20
" sinensis,	13 to 20
Periploca graeca,	26 to 32
Rosa Ayrshirea,	10 to 16
" Banksia,	16 to 20
" multiflora,	16 to 29
Wistaria sinensis,	26 to 32

PLANTS FOR ISOLATED SPECIMENS.

Acanthus mollis,	3 1/4
Aralia racemosa,	3 1/4 to 6 1/2
Arundo donax,	6 1/2 to 10
Eulalia japonica,	3 1/4 to 5
Gunnera scabra,	3 1/4
Glycerium argenteum,	6 1/2
Heraclium persicum,	5
Paeonia arborea,	
" herbacea,	2 to 2 1/2
Polygonum orientale,	6 1/2
Rheum officinale,	3 1/4
Tritoma uvaria,	2 1/2
Yucca gloriosa,	3 1/4

LIST OF PLANTS USED IN THE PARKS AND GARDENS OF PARIS.

PLANTS FOR FALL PLANTING.

Alyssum saxatile,	
Althaea rosea,	
Anemone coronaria,	
Arabis verna,	
Aubrietia deltoidea,	
Bellis perennis,	
Cheiranthus Cheri varieties,	
Chrysanthemum indicum varieties,	
Crocus vernus varieties,	
Delphinium elatum,	
" formosum,	
Hyacinthus orientalis varieties,	
Myosotis alpestris varieties,	
Onopordon acanthium,	
Primula elatior,	
Ranunculus asiaticum varieties,	
Saxifraga cordifolia,	
Silene pendula varieties,	
Tulipa Gesneriana varieties,	
Viola tricolor varieties,	

SPRING PLANTS.

Antirrhinum majus,	
Bardia chrysostoma,	
Burkousia rubra,	
Centauria cyanus,	
Centranthus ruber,	
Collinsia bicolor,	
Digitalis purpurea,	
Malcolmia maritima,	



VIEW IN THE PARC MONCEAU
THE PARKS OF PARIS.

Mimulus variegatus,
" cupreus,
Saponaria calabrica,
Schortia californica.

SUMMER PLANTS.

Abutilon vagosum,
Aecia lophantha,
Achyranthes Vrschaffelti and its varieties,
Agave americana,
Ageratum mexicanum and its varieties,
Alternanthera amena,
Amaranthus caudatus,
" melancholicus,
Anemone japonica,
Antennaria dioica,
Aralia papyrifera,
" Sieboldii,
Begonia discolor,
varies,
" tuberosus varieties,
Bouvardia jasminifolia,
Caladium esculentum,
" odorum,
Calceolaria rugosa,
Calendula officinalis,
Callistephus sinensis varieties,
Campanula carpathica,
Canna varieties,
Centauria candidissima,
Chamaerops excelsa,
Chrysanthemum frutescens and its varieties,
Cineraria maritima,
Cobaea scandens,
Convolvulus tricolor,
Coreopsis elegans,
Cuphea pycnantha,
Cyperus alternifolius,
" papyrus,
Dahlia variabilis and its varieties,
Datura arborea,
Dianthus baucatus,
" caryophyllus,
Dracena congesta,
" indivisa,
Echeveria glauca,
Eucalyptus globulus,
Erythrina crista-galli and its varieties,
Ficus elastica,
Fuchsia varieties,
Gaillardia picta,
Gaura Lindheimeri,
Gazania splendens,
Gladiolus gandavensis,

Gnaphalium lanatum,
" tomentosum,
Hibiscus rosa sinensis,
Heliotropium peruvianum and its varieties,
Impatiens balsamina,
Konigia maritima,
Lamium maculatum,
Lantana Camara and its varieties,
Lobelia Erinus and its varieties,
Maurandia Barclayana,
Montbretia crocosmiaflora,
Mimulus moschatum,
Musa ensete,
Nierembergia gracilis,
Pelargonium zonale and its varieties,
" peltatum and its varieties,
Perilla Nankinensis,
Petunia violacea and its varieties,
Pentstemon campanulatus varieties,
Phlox decussata and its varieties,
" Drummondii,
Phormium tenax,
Plumbago capensis,
Pyrethrum aureum,
Reseda odorata,
Ricinus major and its varieties,
Salvia splendens,
Scabiosa atropurpurea and its varieties,
Sedum acre,
" carneum,
Sempervivum calcareum,
Senecio,
Tagetes patula and its varieties,
Tradescantia zebrina,
Tropaeolum majus,
Verbena hybrida varieties,
Vinca rosea and its varieties,
Wittadinia triloba,
Wigandia caracasana,
Zea foliis variegatis,
Zinnia elegans.

Asparagus and Smilax.

A question is referred to me from Pontiac, Ill., asking whether "asparagus can be grown in the same house with smilax, and how far apart should smilax be planted." To the first query I would decidedly say yes. I have grown Asparagus plumosus, which I presume is the

species meant, in a limited quantity for several years. A rose house temperature will suit it well, or 50° night temperature will grow it profitably. We all know that smilax will do well at 50° for lowest temperature, but to be really profitable and produce four crops in the year it should have a warm house.

Two years ago I had a bed of asparagus 50x7 feet. It grew magnificently after planting, and up to November; after that the young growths assumed a sickly yellow green color, and for decorations it was worthless. In fact I called it a failure. Just about the time I was in my trouble Mr. W. H. Elliott of Brighton, Mass., gave us a call, and of course as he is certainly the best authority in the country on the subject, we soon talked asparagus. Mr. Elliott thought I might have over-watered it, but in that respect I was sure I had not erred. He then asked if there was a floor under it, or was it on the solid ground. The bed was on planks raised a few inches from the ground. Then Mr. Elliott made use of an expression which was exactly these words: "It hates to be divorced from Mother Earth." I would not say positively that asparagus cannot be grown on a bench, but my experience is that it is far safer to follow the advice of such a large grower and plant your bed on the solid ground. I did so the following year, and have had none of that sickly yellow color since I planted the same sized bed in a house where the night temperature ran in winter from 50° to 55° in 8 or 9 inches of good rich soil on a clay bottom, where the roots can go to our antipodes if the conditions are suitable.

The second question about smilax will depend somewhat on whether you plant annually or intend to let the bed remain for 2 or 3 years. I believe in annual planting, and a good distance between rows is 1 foot, and between plants 8 inches.

WM. SCOTT.



Carnation Notes.

Sometime ago I spoke of planting in beds outside, in view of irrigating should we have a drouth the same as last season. The drouth is here and carnations are beginning to show the effects of the heat and lack of rain. In view of needing to irrigate I concluded that 1 inch pipe with $\frac{1}{4}$ inch holes drilled on one side every 6 inches would be the most suitable for the purpose, and this morning I started to wet the ground with sixty feet of pipe. It may seem to many that this method is slow work, and if the water was pumped by hand it would be, but with only a pressure of 7 pounds I can thoroughly soak a space 18 inches wide in fifteen minutes, and where a heavy pressure of water can be had, as many of the florists have, of 50 to 60 or more pounds a much longer length of pipe can be used. The pipe is connected every 30 feet with brass unions, and this is easily disconnected when a great length is used, but two men can easily move 60 feet. I shall continue to irrigate as long as the drouth lasts. For the grower who has from five to ten thousand plants in beds this plan is very useful, as it will undoubtedly enlarge his plants.

I find several of the new sorts sent out this season are doomed, as the rust loves them too well, and so out they go. I understand that salt is being used in solution for spraying rust affected plants, and as a preventive, but when I ask the users if they are positive that it will surely eradicate the disease they can not answer positively in the affirmative.

Keep the rakes going, for I am positive that you will find them much more effective than the hoe or cultivator if used before the weeds show above ground. Keep the ground loose on top, and if there is any moisture around you will find it just where the plant needs it.

CHAS. H. ALLEN.

Propagating Carnations in Summer.

I have a batch of the new hardy carnations planted in the field. These plants were grown from the seed imported from France. I wish to propagate from the best plants during the summer. What is the most efficient way of doing this? Should I grow on the young plants produced by propagation in pots or transplant them also in the field, and at what stage of their existence should they be planted out?

F. L. BUTLER.

Danbury, Conn.

Take your cuttings in early September, break them off close to the main stem; do not pull them off nor trim them much. Place them in $\frac{1}{2}$ sand, $\frac{1}{4}$ peat and $\frac{1}{4}$ loam in a frame where they can be shaded and cool; when rooted transplant in a frame from which they can be planted outside in April. They will need protection during winter, as they are not as hardy as seed-

lings. Do not allow any seed to ripen on plants from which you expect to take cuttings, as the process of seeding devitalizes the plants.

CHAS. H. ALLEN.

The Florist of the Future.

BY EMILY TAPLIN ROYLE.

[Read before the Chicago Florist Club June 27.]

The florist of the present has seen so many remarkable changes in his business that he has no reason to doubt still greater changes for the future. Every branch of the trade has made wonderful progress within the last two decades; the still greater advance of the future depends upon the members of the trade themselves.

First of all, we want to advance our business in the eyes of the public. Very few people among the outsiders appreciate the trade at its full value. They look upon the grower as an agricultural person who grows roses instead of corn and potatoes, and accumulates vast wealth from his crops, and they regard the retailer as a persuasive individual who sticks 75 cents' worth of flowers into a wire frame and charges them \$7.50 for the finished result. They do not realize that the man who grows the flowers must be a scientist, and the man who arranges them an artist, and they both deserve the recognition and remuneration of their ability. The florist of the future will surely obtain this recognition, but we shall have to educate the public and ourselves.

To begin with the growers; I believe it would be hard to find any other trade in which manual labor forms an important part, whose members are so thoroughly interested in their work, and yet there is little inducement for an intelligent young man of fair education to enter a greenhouse establishment with the view of learning the business. We know that there is many a young man scraping along on a city clerkship, who would be far better off in So and So's greenhouses, but he has an idea that he would lose standing socially by doing such work, and that there is little chance for a successful future. We have got to get over that prejudice; the florist of the future must have well-appearing employees who bring brains into the greenhouse, and are not averse to using them, even if their employer does engage a foreman to do their thinking for them. The Jaggs type must go; they are out of place in a business suggestive of beauty and refinement; we are not likely to educate the public without doing a little in that line for ourselves first. Nor can we expect people to think of plants and flowers unless we bring such before them. Perhaps some of you noticed recent paragraphs in the trade papers regarding a manufacturing concern in an eastern city, whose managers recently placed one hundred window boxes in the windows of their factory. In some correspondence on the subject we were informed that a member of the firm, traveling in England, was impressed by the plants he saw in the windows of factories and private places there, so he decided, on his return, to make an attempt in the same line here. Doesn't it seem a pity that he had to go abroad to learn the value of plants and flowers? Our trade must indeed be derelict in duty, or we should teach people to use our stock without sending them abroad for lessons. It isn't altogether a matter of sentiment either—it is business—if people learn how to use plants abroad, they may learn to buy them there too.

Nor must we run in ruts. We have seen a good many new fashions within twenty

years; we have seen the development of aquatic gardening, the use of the gorgeous cannas and similar plants of effective growth, which are surely driving out the pie-crust system of bedding, just as long stemmed carnations and roses are driving out toothpicks, and we must not let the public in general go before us, we are to lead them. For this reason every wide-awake man in the trade, whether grower or retailer, must look out for novelties, or for little used plants of merit. After roses and carnations all winter people want a little change when spring comes; hence the fancy for wild flowers or herbaceous material. The last named class certainly gives us some valuable plants, both for garden effects and for cutting. Another old favorite, in which the public shows a reviving interest, is the dahlia; our friends in Philadelphia have a Dahlia Society, and intend to hold a dahlia show this autumn, which will do much to bring the flower into public notice. Naturally the value of the dahlia as a cut flower is rather restricted, but we must all recognize its value in garden decoration. Though personally my taste inclines to the single and cactus types, as being more artistic than the heavy formality of the large doubles, yet in these we get a richness of color unexcelled by any other flower, and there is in their massive regularity, an agreeable contrast with other garden flowers. We can hardly realize the progress made in dahlia culture abroad, where the many dahlia shows offer inducements for new varieties; the introduction of some of the new show and cactus types would effect a wonderful change in our opinion of these flowers.

Another style of gardening to be cultivated by the florist of the future is the hardy fernery. Years ago I recollect my old friend the late Mr. Roenbeck of Bayonne, N. J., then almost the only grower of ferns about New York, remarking that any one who tried to make a living from them would starve to death. This opinion certainly would not hold good at the present time; the continued and increasing use of fern dishes and fern decorations makes these plants of very great importance, but while we see such an increase in the use of tender ferns the hardy garden sorts are greatly neglected, in fact they are rarely to be obtained except from dealers in native plants. Yet, almost in every garden there is some spot better adapted for ferns than anything else, particularly in the city, and when appropriate soil is provided, there is no reason why they should not do well. If we ignore the claims of our native ferns, and take no steps to preserve them, it is quite likely that the florist of the future will have none to experiment upon, for some of the choicer varieties seem in danger of extermination, particularly the walking fern (*Camptosorus rhizophyllus*) the Hartford or climbing fern, and the bird's foot a liantum. The use of delicate ferns in Wardian cases or under a bell glass seems out of date now, doubtless because such appliances are not in harmony with modern ideas of decorative art, but a case of filmy ferns would always elicit more admiration than a group of any other varieties, and I believe amateurs took more interest in ferns, as a class, when these cases were in vogue. Perhaps we may see a revival of them.

And now for the claims of the retailer, the store florist. There is one trade tendency we have all noted of late years, and that is the increasing plant trade, which will gradually compel the store florist to give as much attention to plants as he does to cut flowers. Flower buyers of



IN THE PARK OF VERSAILLES.
THE PARKS OF PARIS.

wealth and culture are all for artistic simplicity—the same feeling that has driven out formal bedding, replacing it with the grace of natural planting, is rapidly driving out stiff set designs and formal bunches or baskets. Now, I must say with regret that I fear our trade is but little responsible for this vast improvement in public taste; it is almost entirely due to outside influences. Almost every town and village throughout the country now has its art class or art teacher. Women—our chief flower buyers—who, twenty years ago, spent their time in making green worsted lamp mats and head pin-cushions, or similar horrors, now learn to paint violets and dog roses on useless teapots, and however mediocre their work, the art training certainly improves their taste. They learn something of form and grouping, and a good deal about combination of color. Now, do you think it right for the florist to get his art instruction at second-hand? Ought he not to be instructor instead of instructed? I believe that the florist of the future will stand on the same plane as the man who paints pictures, but he will need the same primary cultivation; he must study grouping and the combination of colors with as much devotion as the artist who uses the brush. I hardly like to call him an artist, though he is one, for that word is sorely misused—every flower carpenter who builds floral bicycles and trolley-cars and tack hammers calls himself a floral artist.

Another thing—the laborer is worthy of his hire, and the man who brings native taste and artistic culture to his work should be paid in accordance with it.

The artist takes paint and canvas worth five dollars and produces a picture worth five hundred; like him the florist should be paid in accordance with the effect he produces, without reference to the value of the flowers used. People must learn to pay, not only for the material and the work, but also for the "know how."

The industrious wire worker may ask where he will be when all these things happen; apparently he will be very much out of it, unless he turns his attention to twentieth century hoop skirts, and there seems greater reason to doubt whether the new woman will have any use for these articles either. To tell the truth the wire worker, instead of leading, like the basket man, who studies public taste, and constantly produces new ideas, has simply tagged after the florist, and too often it has been a case of the blind leading the blind. Such simple forms as the wreath and the cross are likely to retain their hold, but the more elaborate emblems are surely going, and we may as well bid them farewell with a good grace. A few years ago no commencement was complete without a selection of horse shoes, lyres with immortelle strings, and similar emblems of regard. Who ever makes such things now? They are as dead as lace paper frills around a bouquet. The continued improvement in the quality of flowers makes it unnecessary to bunch them up into unnatural forms, and the florist of the future must therefore show his skill in harmonious grouping or arrangement, rather than in complicated making-up.

We hear a great deal now about Japanese art. Painters and sculptors study

it, recognizing the fact that however strange Japanese pictures and sculptures may seem in our eyes they are always governed by laws harmonizing with nature. Japanese gardening and floral arrangements are governed by similar laws; their florists do not work at hazard, but are expected to have an intelligent understanding of the reason for the effect they produce. With them "the art itself is nature." Our workers should be similarly instructed; apart from the gain in beauty there would be very much less uncertainty about it. A man who works at hazard is successful by chance; one who works in accordance with artistic rules will always succeed in his results.

To gain public recognition as masters of an artistic profession our florists must bring this matter out more fully at the flower shows, by gaining the co-operation and association of people identified with the fine arts. The recent exhibition of sculptures in New York, where an elaborate plant display was made in connection with the statuary, was a step in the right direction; we ought to seek a similar opportunity here. We also want to see an increase in the use around city residences and hotels not only of flowering plants in the summer, but also of hardy dwarf evergreens in tubs or vases during the winter. In this city, unfortunately, we have to contend with severe climatic difficulties, and to popularize gardening we have to make it reasonably easy and certain in its results. The present popularity of pansies and sweet peas shows what can be done by bringing things convincingly before the people. The little booklets, containing cultural directions,

sent out by various seedsmen, have done good missionary work, and have undoubtedly benefited the trade greatly in an indirect way. That one matter of cultural instruction is hardly considered sufficiently; the more we teach people about such matters the more likely they are to buy plants, and once acquired this taste never leaves its possessor. Flower lovers outside of the trade should be made to feel that florists are closely in touch with them and willing to aid them with their counsel.

Nor should we forget what we owe to the daily press. When we read some absurd "lake" story regarding our trade we forget that it is as hard for them to understand our trade as it would be for us to build a cylinder press off hand; in many cases they don't know where to get correct information, nor how to put it together when they do get it. We ought to lose no opportunity of giving them live, up-to-date information, devoid of exaggeration, whenever they require it—it is to our interest to do so—and the florists' club of the future should be prepared to do this. With all these possibilities before him—and they are certainties rather than possibilities—the florist of the future is rather to be envied, and the florist of the present too.

Rose and Strawberry Exhibition of the Massachusetts Horticultural Society.

The show of roses for 1895 was by no means equal to that of previous years. For this there were two reasons; one was unfavorable weather, another was the regulation adopted the present year, which provides that no duplicates shall be allowed when one person exhibits in different classes. With this restriction in force, the exhibitor competing in the three classes of twenty-four, eighteen and twelve blooms, for instance, is obliged to stage fifty-four varieties. The existence of such a rule is certainly prejudicial to the success of the exhibition, however valuable it may be to certain individual interests. That such a restriction could find its way into the prize schedule is only one more instance where the society's usefulness and reputation are impaired by petty expedients for the furtherance of selfish ends.

The pre-eminent adaptability of the shore district south of Cape Cod for outdoor rose cultivation was once more demonstrated. The exhibit of two thousand or more blooms made by M. H. Walsh, gardener to Hon. J. S. Fay, eclipsed everything else, and had it not been for the magnificent contribution from this prince of rose growers, the exhibition of the queen of flowers would have been a very meagre one. Other prominent rose exhibitors were John L. Gardner, J. Eaton Jr., Jas. Comley, Dr. C. G. Weld, John P. Spaulding, W. W. Astor, Sumner Coolidge, Mrs. E. M. Gill, Mrs. J. W. Clark, and P. Kane.

From the many varieties on exhibition one might select as the finest the following new and old sorts: Mlle. Susanna de Rodocanachi, Margaret Dickson, Mme. Delaville, Prosper Laugier, Earl of Dufferin, Spenser, Eclair, Louis Van Houtte, Mme. Gabriel Luizet, Marie Baumann, Ulrich Brunner, Prince Arthur, E. Y. Teas, Mlle. Marie Rady, Mme. Victor Verdier, Chas. Lefebvre, Etienne Levct, Gustave Piganeau, and M. P. Wilder. The merit of Earl of Dufferin in this section was somewhat in doubt last year, but in the present case it showed up grandly, and was credited by good judges with furnishing the best built blooms in the hall. Mr. Fay's prize collection of varieties intro-

duced since 1892, included Capt. Hayward, Mrs. Harkness, Paul's Early Blush, and Chas. Gater; of the four the latter is decidedly the best; Capt. Hayward has no chance here so long as Ulrich Brunner is in existence. Mr. Walsh's handsome seedling, M. H. Walsh, which received such high honors last year, fully maintained its position, and Mr. Walsh gave additional proof of his skill as a hybridizer in six new seedlings never before shown. One between Louis Van Houtte and M. H. Walsh, which has been named J. S. Fay, is a grandly formed flower of rich color. Another one from Jacqueminot and American Beauty, is of bright Margottin shade and unexcelled fragrance. A cream pink, a cross between Madame Hoste and Margaret Dickson, also promises well.

Mosses were but slimly represented, and in hybrid teas R. S. Fay was the only exhibitor. Duchess of Albany, La France, Pink Rover, Augustine Guinoiseau, Kaiserin Augusta Victoria and Madame Caroline Testout were the varieties shown. In the polyantha class there were no entries at all. The best single bloom of a variety introduced since 1892 was Marchioness of Londonderry, shown by J. Eaton, Jr. The premiums for general display, filling one hundred bottles, brought out nine entries. These were arranged in banks around the sides of the hall, and were very effective.

The miscellaneous exhibits were arranged in the lower hall. The prizes for flowering stove and greenhouse plants brought out some elegant specimens, including *Ericas* Cavendishii, globosa, ventricosa rosea, Bothwelliana and Bothwelliana alba, and *Aphelexis macrantha* purpurea from John L. Gardner; and *Hemerocallis macrostephana*, *Boronia elatior*, *Anthurium Scherzerianum* and *Rhynchospermum jasmuinoides* from Dr. C. G. Weld. The *rhynchospermums* were splendid plants trained into stately pyramids, but on the second day the flowers shed badly and formed a halo of white on the floor around the pot. A large group of orchids from John L. Gardner comprising *Cattleya Mossiae*, *miltonias*, *odontoglossums* and *dendrobiums* made a prominent feature at the head of the hall. Dr. Weld captured first prize for single specimen orchid with a plant of *C. Lawrenceanum*.

From the Harvard Botanic Garden and J. W. Manning came superb displays of hardy herbaceous flowers in large vases, extending the entire length of one side of the hall. This, with the comprehensive collections of native wild flowers of New England, contributed by Miss C. M. Endicott, Miss M. C. Hewett and Mrs. P. D. Richards, formed one of the most interesting and instructive departments of the show, and received its full share of attention from the visitors. Sweet williams, foxgloves, pæonias, gloxinias, petunias, poppies and Spanish iris were all shown in profusion. The sensation in the cut flower line was a maximum hybrid rhododendron shown by James Comley, and which received a well merited certificate of merit. The flowers are of good size, soft pink in color with a large blotch of deep golden yellow covering nearly the whole upper half of the corolla, a very distinct flower and well built truss.

The exhibition of strawberries was a disappointment as regards extent, variety and quality generally, the effect of the most unfavorable season experienced in many years. Here, as in the rose exhibit, Mr. Walsh came to the rescue, and his four quarts of Marshall was in all respects the best basket of berries ever shown in this hall.

New York.

Summer is here in earnest, and general business is duller than ever. Cut flower trade is very flat and there is much more stock coming in than is required; a few days more, however, will wind up a good share of the stuff coming in, as the growers are throwing out and re-planting. School work has proved to be but a small item this month, and everything has taken on an air of quiet which is not likely to be disturbed for some weeks.

Roses are fair in quality for the season. Long Beauties are about the only variety that have a call, but these are few and generally poor in quality. Small roses sell at \$2 to \$3 per hundred, and at \$5 to \$10 per thousand lots. Long Beauties bring \$8 to \$20, others \$1 to \$5. Carnations are going slower than ever, and best price obtainable for good stock is from 35 cents to \$1 per hundred, and ordinary quality sells at from \$1 to \$2.50 per thousand. Sweet peas are down to hard pan, and the prospect for summer peas is poor indeed.

No new developments are noted in regard to the proposed Cut Flower Co. It would seem that they have failed to interest the small men of Madison and vicinity who take exception to the manner in which arrangements were perfected, without first permitting them to share in the early work of organization.

The long-talked-of Botanic Garden appears to be now an assured success. The \$250,000 required by the act authorizing the establishment of the garden has been at last secured by subscription, and the \$500,000 appropriated by the City of New York now becomes available for the erection of the necessary buildings and the securing of the land needed. The Corporation of the Garden have selected 250 acres in Bronx Park, located on both sides of the Bronx river, a place of rare natural beauty and affording also unequalled facilities for the art of the landscape gardener. The \$250,000 raised by private subscription will be kept as an endowment fund, and the interest applied to the maintenance of the Garden.

Mr. Winfried Rolker sailed for Europe on the 18th inst, per steamer Lahn.

Geo. M. Stumpp sailed June 25 on the Spree and Thos. Young, Jr., June 27th on the Normannia.

W. H. Young has leased the Jacobson place and will devote it to American Beauties, 600 running feet of houses.

Philip Zeh, Fifth avenue corner 25 street Brooklyn, died at his home on June 20, aged sixty-seven years.

Boston.

The florists are all busy. Last week the colleges, this week the schools, make a demand for flowers which is larger and larger every year. The wholesalers, especially, are busy, for the demand extends to nearly every New England town. After the present week, however, there will be little to do for some time to come. All kinds of stock are cheap and abundant, carnations particularly so. They have never been so good or so plenty towards end of June as they are this year. Sweet peas are also seen everywhere in large quantities and if it were not for the street boys their lot would be a hard one.

The suit of W. W. Edgar against the Jos. Breck & Sons Corporation has been won by Mr. Edgar. This was a case where the defendant solicited orders for longiflorum lily bulbs from the plaintiff and guaranteed that the bulbs should be true to name. The lilies were grown for the Easter trade of 1894, but when they

came into bloom proved to be 75 per cent Harrisii. Mr. Edgar's customers refused to accept the flowers, and he therefore entered suit against Breck for the sum of \$900, which he claimed was the difference in market value between Harrisii flowers and longiflorum flowers at the time they bloomed. The defense entered a general denial, and also called attention to the clause at the head of their bills in which they disclaim all responsibility for results from seeds sold by them. It was decided, however, that this did not cover sales of bulbs, and the jury awarded the plaintiff the sum of \$532 for loss of crop.

On the evening of June 24 the Gardeners' and Florists' Club had a musicale and strawberry festival at Horticultural Hall, which was participated in by one hundred of the members and their ladies. It was one of the most thoroughly enjoyable occasions on record, and as an effort in a new direction was an unqualified success. The musical and dramatic entertainment was furnished by Miss Maud George, pianist, Misses Daisy and Lily Neil, two bright little daughters of Mr. Sam'l Neil, Mr. John C. Staab, violinist, Miss Anna M. Staab, soprano, Mr. Lawrence A. Turley, elocutionist, and Mr. Albert Russell accompanist. Mr. Staab's masterly playing fairly electrified the audience, and Mr. Turley kept them screaming with laughter. All the participants in the program, in fact, acquitted themselves nobly.

Ed. Hatch's cottage at Scituate was the scene of another very pleasant reunion last Friday, June 28, when a number of the craft partook of Mr. Hatch's hospitality at that famous retreat. Scituate is the home of clams and big appetites, and no one knows better than Mr. Ed. Hatch how to make the two work together. Whatever he does is done just a little better than anybody else does it.

With the present week begins the series of Saturday free exhibitions in Horticultural Hall, which will continue until August 24 inclusive.

Visitors in town: Martin Finaghty, Lenox, Mass.; A. T. Boddington, Short Hills, N. J., and J. A. Penman, New York. Mr. Penman has the Book of Choice Feins by Geo. Schneider, and Kerner's Natural History of Plants under his arm.

Mr. and Mrs. C. M. Atkinson have returned from their bridal trip to the south. Their friends were glad to welcome them back again, but sorry to note the evidences of severe sickness shown by Mr. Atkinson. All hope for his speedy restoration to health.

Philadelphia.

The lovers of flowers who usually obtain their supply from the various floralestablishments of this city are either satisfied for the season or are hunting for the beautiful in other fields, for business in the regular channels is scarcely moving at all. The street men, however, seem to be still in it; one of the stands sold 250 dozen roses at 10 cents per dozen, in addition to a large lot of water lilies, for a day's business recently. The gentlemen who favor the stores with the first choice of roses at \$3 to \$4 per hundred supply these gentry at about 50 cents for the same quality. This state of affairs is all right, however, as it shows the growers that people will buy flowers if they get them cheap enough. It is all wrong—this wail about the fakir that is going up all over the country; he is the best friend the grower has. He handles immense quantities of his flowers and pays cash for them. Of course he

knows his market and buys accordingly, and if the grower doesn't make money he mustn't blame the fakir. He is clearly a creature of the grower. With his additional houses and increased competition he produces more flowers than his regular trade will take, and just as soon as the surplus gets large enough a new fakir is born. It has been the case in New York, in Philadelphia, in Boston, and the same causes will bring about like results in all the large cities of this country. The fakir has come to stay, and no amount of legislating will keep him down. He handles the surplus stock, and as the surplus seems to be increasing every year, so also will his tribe increase.

Sweet peas are now in from outside, and sell well, bringing from 25 to 40 cents per hundred. Roses, especially La France, Meteor and Kaiserin, are fairly good, and sell for \$3 to \$4 per hundred. Beauties are very scarce and poor at 1.50 per dozen. Valley is plentiful at 3 and 4 per hundred. Carnations are small and poor, and bring from 25 cents to 1 per hundred.

Quite a lot of chrysanthemums are being planted, and the indications are that the supply of "mums" will about equal that of last season. Some are not putting in as many, while others who did well last year are increasing their stock. Philadelphia will be given a trial by most growers, and other new ones are being tried sparingly.

H. H. Battles has shaken off the dust of the city, and his farm near Newtown Square now occupies most of his time and attention. Farmer Battles they call him, and his opinion on the best breeds of horses, cows and chickens must by this time be very weighty.

The Gun Club had another shoot last Wednesday, and some very good scores were made. Anderson and Burton seem well nigh invincible, and a number of the others are showing the benefit of their practice. Shooting is good sport, and the grounds at Wissinoming are a delightful place to spend an afternoon.

S. S. Pennock has been in New England the past week, mostly at Newport and vicinity. Sam is quite an expert on tennis. Brother Lonsdale also wields the racket in good style. How about a match between Lansdowne and Chestnut Hill?

There is considerable talk about the convention, and there will probably be a good representation from this city. From former experiences the boys feel sure of a good time, and as the rate of fare will be below the delegation is sure to be a large one. K.

Pittsburg.

The regular meeting of the Florist Club was held at Magin's Hall with a very good attendance although the extreme warm weather, and was enjoyed. All the committees reported good progress and everybody seems to take a personal interest in the coming S. A. F. convention. There is one sure thing, that the florists of the county will receive a warm welcome coming to Pittsburg "if nothing else."

The bedding out in the two parks has been completed but the extreme weather has been against all outside planting, and we still need rain.

Great preparations are being made for the yearly outing of the citizens, July 4, at Schenley Park. This is the day of all for the parks. Director Bigelow has arranged for \$10,000 worth of sports, races, balloon ascensions, wire rope walking, fire-works, music, etc., all free and everybody welcome. The important feature will be the unveiling of the Bige-

low monument erected by public subscription to show the appreciation to the Father of Parks, as Mr. Bigelow is known. The unfinished state of the parks admits of these large demonstrations and gatherings, but as the work of finishing goes on it will be necessary to curtail these amusements, for the park on the morning of July 5 is a sight to behold. Supt. Bennett will be pleased to see all the florists that can possibly come this way that day and can guarantee them a big day's amusement.

P. S. Randolph has moved into the J. R. & A. Murdoch greenhouses on Forbes street.

Geo. Oesterle has engaged as foreman with Fred Burki at Bellevue.

John Bader of Troy Hill is building one new house. Fred Burki is building four new ones and Elliott & Ulam are building two new ones to meet increased demands of their trade.

The past week has been a very busy one for the florist, weddings, commencements, etc., making the demands exceptionally good. BROWN.

Cleveland.

At the funeral of one of the force connected with a prominent Cleveland paper a piece of work by Miss Eadie was very noticeable. It was a representation of the front page of the paper, and was exceedingly well worked out. Speaking of this design brings up a different and an exceedingly disagreeable subject—the crape puller—who on this occasion at least was badly left. One of the unsavory birds hustled to the newspaper office and pulled most mightily for this same order. He hadn't been sent for and most certainly was not wanted, although these facts did not affect his nerve at all. He got nothing but the cold shoulder in return for his pains, however. It seems to me that if some other portion of his anatomy had been well warmed it might possibly have brought about a much needed moral regeneration. I think all reputable florists would like these people to be born again—on some other planet.

The last word concerning outdoor planting seems to indicate that the season for those who cater to that trade has been fair. A good many were frightened by the slow sales and dubious outlook in May, but June has fairly compensated for May's shortcomings. The principal source of complaint seems to be the market, where considerable grumbling has been done. It is rather difficult to locate the real cause of the trouble there, but probably several conditions have tended to bring about so undesirable a state of affairs. For many years the Central Market was the florists' stamping ground, and thither everybody went for both plants and cut flowers. As the city grew florists' stores came and drew away the better class of cut flower trade. Further and faster growth and the removal of many residents to the suburbs have placed the obstacle of distance in the way of many former patrons. To steer baskets or boxes of plants—the most unwieldy, obstinate, breakable objects to transport that I know of—is no longer much relished by plant buyers. There has also been the newer market—a private corporation—that has entered the field as a rival of the older municipal affair. This new market has brought a host of new florists into existence, and the business that was formerly done under one general management is now divided between two.

The National League of Republican Clubs held its convention here last week.

The decorations by Gasser were very good as well as very extensive. They were somewhat conventional, but that's proper for a convention.

The long spell of dry weather has been broken by a magnificent rain—a slow, steady one, of which every drop soaked in and not one was wasted. We were certainly entitled to this blessing at least, for between May frosts and June drouths the florist has hardly had a festive time of it.

Mr. Schneider is now in full possession of the Cleveland Floral Co. establishment.

Mr. A. Graham, senior member of the firm of A. Graham & Son, met with an accident which has laid him up in bed for the past week—and he isn't through yet. Hereafter when he has occasion to perambulate on dry grass until his shoes acquire a glass-like polish he will probably drive a few twenty penny spikes through the soles of the same to enable him to descend from his chariot without getting under the feet of his fiery steed.

H. A. Bunyard, the genial, has severed his connection with Pitcher & Manda, and has retired from the road to lead a new and better life in Cleveland. He has made arrangements whereby he assumes control of the establishment heretofore operated by G. W. Heiser & Co. Here, 'neath lofty palms and verdant tree ferns he will hunt the fierce *Didymochloena* and wild *Nephrolepis* to their lairs. He will also dispense unto the retail florists of every race (except Greeks) and climate stock that shall excel that of other wholesalers, even as the splendor of the sun dims the milder radiance of the orb of night. A.

Chicago.

The country place of Mr. W. C. Egan, secretary of the Hort. Society of Chicago, at Highland Park, is now a beauty spot worth a long trip to see. Probably no other place in this country of equal size (5 to 6 acres) contains so many good things in the way of hardy plants. Practically the whole field of ornamental horticulture is here represented, and every specimen gives evidence of the most careful attention to its wants. During a recent visit we noted the following as being specially valuable to commercial growers: The orange yellow *Alstromeria aurantiaca*, which blooms all summer, and the flowers of which will last 10 days in a cut state; the double form of *Lychnis chalconica*, the flowers of brilliant color, and excellent keepers when cut; varieties of *Clematis integrifolia*, the graceful sprays of which would be exceedingly useful in arrangements, and give the touch of blue or purple so often desirable, and the flowers last well; delphiniums in splendid variety. Among plants specially brilliant or useful as bedders we noted *Gaillardia aristata Templeiana*, which is a dwarf grower, needing no staking, and the flowers of which are equal, if not superior, to the taller growing *grandiflora* type; *Coreopsis Drummondii*, a dwarf growing orange yellow with purple eye; a double rich crimson *dianthus* that came from the World's Fair exhibit, but the name of which Mr. Egan does not know. A bed of *Browallia elata* promised to be an attractive feature later. In a bed of cannas the new variety *Flamingo* showed a wonderfully brilliant color, the petals measuring 1½ inches across. Among flowering shrubs *Philadelphus Gordonianus* was the queen at the time. This variety is far superior to any other grown on the grounds. *Prunus Pissardii* does exceedingly well with Mr. Egan, and there are a half dozen or more excellent specimens. In white variegated trees his

best is *Fraxinus excelsior foliis argentea*. The variegation holds very uniform, and the growth is good. These are but a few of the thousands worthy of notice. To cover the whole collection would take several issues of the *FLORIST*.

The west side parks are to have a monopoly of set pieces in bedding this summer. Superintendent Kanst of the south parks will this year confine himself more to flowering plants, and there will be no such set pieces as the globe, sun dial, gates ajar, etc.

At the meeting of the Florist Club last Thursday evening the essay on "The florist of the future" by Mrs. Emily T. Royle was received with much commendation. The essay appears elsewhere in this issue. In the discussion that followed Mr. Neiglick said that while he had grown dahlias largely in Europe he had never met with any success here. Mr. Wilson found that they did well in a stiff clay soil during a wet season, but under ordinary circumstances frost had arrived by the time the plants had begun to bloom freely. All agreed with the essayist as to the necessity for a broader education of the florist. Mr. Schenck said that the retailers should be more careful to employ men who knew something about the plants and flowers they sold. Often the customer was better informed than the clerk and as a result the former felt contempt for the latter, which certainly did not tend to elevate the profession. In view of the remarkable advance during the last decade the predictions of the essayist seemed likely to be verified. But a few years ago a thousand long-stemmed carnations could not have been purchased at one time in this market. The majority of the growers persistently refused to grow long-stemmed blooms, holding that the retailer would not pay an adequate price for them. To-day the grower can sell really fine flowers at from \$2.50 to \$4 a hundred more readily than he can the old style stock at 50 cents a hundred. Even six or seven years ago the grower would have laughed had you predicted this, but the change has come just the same. How can we doubt that even greater advances will be made in the next decade?

President Kidwell was again absent and sent a note asking the club to relieve him from the office as matters had so shaped themselves that he could not give it the attention it merited. His request was complied with and Mr. G. L. Grant was elected for the remainder of the term.

During July and August there will be but one meeting a month, on the fourth Thursday of the month. After that the regular two meetings a month will be resumed.

At the bowling session the banner score was 195, made by J. S. Wilson, but Ed. Winterson still leads on average. Ed. will soon be wearing the club's medal. Next week the bowling meet will be on Wednesday evening, as Thursday falls on July 4.

Arrangements are being made for a special car from Chicago to the Pittsburg convention.

Mr. J. C. Vaughan is still in California. Mr. W. J. Smyth and wife will soon start on a trip to the Pacific Coast.

The Lake Front Park ordinance passed the city council last Thursday evening and work will now go ahead.

The flower market has taken a very sudden change. This week growers and dealers alike wear a satisfied smile, their only lament being that there isn't enough stuff to go around. While florists in less favored cities are going around with an air of summer gloom the Chicago wholesaler

turns would-be customers away half satisfied, and charges Easter prices for his stock. The present condition seems a surprise to all. It is generally conceded that commencement business is better than it ever was before, while the fluctuating weather has caused great shortage in stock. The extreme heat early in the season caused many to throw out their stuff extra early, both carnations and roses, and the subsequent cold spell checked a good deal of newly planted stock, as well as producing mildew on the old plants. The demand has been greatly increased by the custom, prevalent in all the schools, of adopting some class flower. A large number of classes throughout the city selected the Meteor rose—hence a most extraordinary demand for this flower. Prices ranged from \$4 to \$6, and even \$8, and there were not nearly enough to meet the demand. Other roses were 3 to 5. Beauties were extremely short in supply, Bassett & Washburn being practically the only firm supplying any quantity. The demand was good at \$25. Outdoor roses were not in the market; so few have been in this year that they do not count at all.

Nor were roses the only flower in demand. Carnations were sold at 1 to 2, the latter figure ruling on all good flowers, whites, Tidal Wave and Daybreak. On Friday morning all this stock was cleaned out before noon. This is a tremendous change from the carnation glut prevailing for the past two or three weeks, but much of the stock has been thrown out, and this, combined with the extra demand, has had its effect. The outdoor stuff goes, like everything else. Sweet peas, both indoor and out, are worth 25 to 50 cents, *coreopsis* 35, and ox-eye daisies 30 cents. *Spiræa* of various sorts sells for 25 cents a bunch.

Last week everyone was busy with the shipping trade for out of town commencements; city trade was dull. This was all over when the city rush commenced about Tuesday, but it is doubtful whether anyone anticipated quite such a demand. Wednesday and Thursday the commission men were rushing about among the growers, begging them to send in anything they could. As an example of the demand, we heard of a commission man who spied a lot of feverfew in full bloom, left over from the bedding season. He entreated the florist to cut this and send it in; the grower did this, with some misgivings, and realized more than he would have done from the plants. Of course this rush will be over by the end of the week, but it is good while it lasts, and it will be well to bear it in mind next year, and go slow on throwing out roses and carnations before the end of June.

Mr. John Thorpe goes to Pittsburg next week to give expert testimony in a case regarding damage done to trees by a factory. Miss Hattie Thorpe went to New York June 29 for a month's visit. Mrs. Thomas Martin (nee Miss Margaret Thorpe) with her three children is now visiting her parents in this city.

Cincinnati.

There is an enormous supply of indoor roses coming in, far greater than has been the case in previous years at this season. This may be caused by the growers holding their old plants in the benches till a later date than usual before throwing them out and replanting, but it is ascribed by some to the fact there is an increasing tendency to grow roses specially for summer trade. If the latter is the case it is not likely that anybody will realize much on summer roses this year. The demand

for such stock has undoubtedly increased greatly in recent years, and will probably increase still further, but still there is a limit to the possibilities of this summer trade, and if all go into it at once simply because they see their neighbors doing it there will be nothing in it for anybody.

The quality of stock averages very poor as a rule, and the prices realized are very low. Outdoor roses are a thing of the past, so they do not interfere in any way.

Among the retailers here there is but little complaining; with one voice they exclaim "No, we are not rushing; this is a slow time of the year anyhow, but with school graduates, a few receptions and an occasional wedding we keep things moving steadily, and are satisfied." There has been a few out of town weddings, and these have given the wholesalers a turn.

The weather for the last week has been uncomfortably warm, the thermometer registering over 90 degrees every day. We have had a good rain, and outdoor stuff is improving a little.

Hollyhocks are in the market, and are meeting with quite a sale, as they are very useful in filling up, and make a good background; the double white are the most in demand. Sweet peas are also in quantity, and seem to be the popular flower, judging by the number of these worn. Carnations are still very abundant, but of poor quality. P.

Worcester, Mass.

Quite an improvement was noticeable last week in the general trade, and though it made no impression on the raft of flowers at hand, it was a good week, and made a bright little oasis in this Sahara of dullness. Outside hybrids are still holding well, and the demand has slightly increased; inside roses are not very plentiful, and only fair in quality. Scott, Day-break, Buttercup, Cartledge and Silver Spray are the best carnations coming in, Scott being especially fine for this season. Some splendid candytuft is brought in, and is very desirable for funeral work. Field grown candidums and sweet peas are also in bloom.

H. F. A. Lange will experiment largely in growing carnations in the houses this summer, a few benches grown in this way last year having proved very successful. McGowan, Scott, Silver Spray, Stuart, Storm King, Uncle John, Meteor, Albertini and Bridesmaid are the varieties to be tried; Buttercup and Keller will also be grown in this way as usual.

Thursday, June 20, was the date of the annual rose and pæonia exhibition, and a very successful show resulted. The number of competitors was large, and the quality of the blooms shown very fair. Edward Hall, F. A. Blake, Mrs. F. H. Merrifield, D. E. Wilson, H. A. Jones and Mrs. Thomas Ward were the largest exhibitors, and secured the majority of the premiums; a few exhibitors were a little careless in naming the varieties. The baskets of roses were made up very tastily, and were quite a feature. It was just a little late for some varieties of pæonies, but enough were held to make a splendid exhibit. O. B. Hadwen had a fine lot, and took first premium, and the other prizes were awarded in the order named to A. A. Hixon, F. A. Blake and Mrs. Thomas Ward. Gratuities were awarded for native flowers, sweet peas and cut flowers. The attendance was large.

We are experiencing a prolonged drouth that is playing the very mischief with field grown stuff that cannot be watered, and though we have showers all around us, we don't get enough to lay the dust;

plants that were set out very early are all doing fairly well, but those of recent planting have not moved. A. H. L.

St. Louis.

The week past has been very dull in the cut flower line except in funeral work; that is the only thing that keeps the florist alive just now. The supply has been plentiful, lots of sweet peas and roses. Prices on roses run from 2 to 4, sweet peas 25 cents per 100, smilax scarce. Kuehn received some very fine smilax last week that brought as high as 25 cents per string. The strings were six feet long and the finest seen in the market for a long time.

Brown & Canfield are sending in some very fine Meteors, good color and fine foliage.

Tesson is sending in good Beauties for this time of the year. Beauties always were Bob's hobby. He has been sick for a week, but is up and around again.

The picnic committee met at Kuehn's Wednesday and set the date for the picnic at July 24. The committee will leave Monday on the 1:30 train to find a location. The subscription paper for our picnic fund went its rounds and we got \$100. In addition the Reissen Floral Co. donated a gold watch to the bowling club, to be given to the member making the highest average at the picnic.

The next meeting of the Florist Club will be held Thursday, July 11, 8 p. m., at Empire Building, third floor, 919 Olive street. The attendance at the last few meetings was very small, and President Waldbart hopes to see a large attendance at this meeting, as arrangements will be made to attend the S. A. F. convention at Pittsburg. Max Herzog of 7000 Scanlan avenue will become a member at this meeting. Mr. Herzog is building a short-span-to-south rose house 18½x104 and a propagating house 6½x60.

At the bowling club's roll last Wednesday night the Chinese won this time, but by only seven pins, the score being Chinese 2,387, Japs 2,380. The largest scores made were Harry Young 236 and Charlie Kuehn 214, in the same game, both belong to the Japs.

THE SCORE.

CHINESE.				
Names.	1	2	3	Totals
John Young, Capt.	157	156	177	490
Rob't Beyer	192	175	128	493
Fred Weber	176	122	143	447
D. Helwig	144	151	180	472
E. Schray	156	177	139	485
Totals	825	781	783	2387

JAPS.				
Names.	1	2	3	Totals
A. Waldbart, Capt.	164	124	136	424
Chas. Kuehn	155	214	184	553
H. Young	121	236	169	526
C. Beyer	188	175	156	519
F. Fillmore	127	122	109	358
Totals	755	871	754	2380

The same teams bowl again next Wednesday night, when the team will be made up for our picnic. All teams in the east want to keep their eyes on our Japs. J. J. B.

St. Paul.

Sales are fairly good despite the exodus to the lakes and the immense quantity of outdoor stock now in bloom. Flowers are plentiful but of fair quality only. Some very fine Beauties and Albanys are being cut by one of our growers, from young stock planted in May. Outside sweet peas are now in and meet with ready sale. Carnations are good despite the hot weather. L. L. May & Co. have

two houses which they have kept trimmed up and free from weeds, and from which they are now cutting as fine blooms as at any time during the season. This would indicate that carnations can be successfully grown under glass during the summer, and as they meet with a ready sale at 25 to 35 cents per dozen, they are profitable as a summer flower.

The best roses are retailing at \$1 per dozen while a good many second and third class blooms go at 50 and 75 cents. One of the stores displayed a sign on Saturday last offering roses at 25 cents per dozen. As they would have gone to the dump Monday morning, there was money in it for the seller.

Chris Hansen is erecting a new dwelling house and also making needed improvements to his greenhouses.

Callers during the week were J. Austin Shaw, of Brooklyn, A. J. Perkins, of Jackson & Perkins, Newark, N. Y.; Mr. Burt, of S. L. Allen & Co., Philadelphia; and Frank Berry of Stillwater. All report trade fairly active.

The many friends of J. C. Northrup, of Northrup, Braslan & Goodwin Co. will regret to learn of his serious illness at Kalispel, Montana. FELIX.

Rochester, N. Y.

Trade is just barely kept alive by a very moderate demand in funeral pieces and loose flower sales over the counter; the annual summer dullness has set in, and all may take a well earned rest, excepting the growers, who have to hustle all summer, not only in taking care of their outdoor stock, but their houses have to be put in order after the spring sales, and the replanting of roses in such hot weather under glass is not a very pleasant job. Many are beginning to plant chrysanthemums, and there is all probability that this popular flower will be very plentiful next fall.

Your correspondent has been away from home for over a week, taking a trip to Cleveland, and found trade in stores and the markets there rather brisk yet for the advanced season, much more so than with us. Everything planted out was suffering for want of rain, which came at last two days before we left that finicity. On going home we expected to find our own stock benefited by the same rains, but were rather disappointed on arrival to hear that very little rain had fallen here, so we are still looking forward for a change in the weather.

A certificate of the incorporation of the E. R. Fry Florist Company was filed at Albany yesterday (June 24). It has a capital of \$20,000, and the incorporators are Isabella B. Fry, Frederick Wells and Anna I. Rockfellow. It is surmised that the corporation is designed to carry on the florist business formerly conducted by Mr. E. R. Fry of this city, who failed recently. J. B. K.

Louisville, Ky.

The commencement season was a harvest for the florists; all did well. S. J. Thompson had for one commencement 27 designs, not one under five dollars. Plenty of flowers in market, but weddings and funerals are scarce. Store trade is generally dull, although we had a fairly good plant trade this season. Seeds sold well. The Hatcher Floral Company opened an auction room on Fourth avenue, and are doing an immense business. All outdoor plants are generally good on account of having good rains when they most need it. H. F. S.

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Address THE AMERICAN FLORIST CO., Chicago.

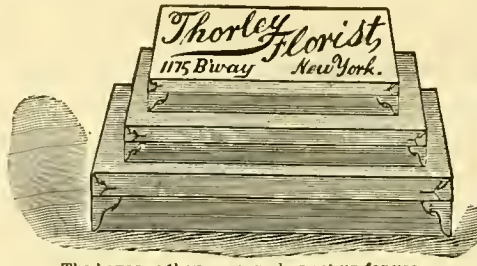
THE DICTIONARY OF ORCHID HYBRIDS, by E. Bohnhof, recently received by us, is a very neat and wellbound volume of 138 pages, containing a list of all natural and artificial hybrids known up to January 1, 1895, with the name of their introducer and date of their appearance, also tables giving the seedlings obtained from each species, their synonyms, etc. The explanatory matter is given in three languages—French, English and German. This is the first volume of a work it is intended to continue in a new edition every two years. It possesses very great value for everyone interested in orchids. There is no other work, so far as we know, which gives the parentage of the numerous orchid hybrids, and the tables giving seedlings obtained from each species is most suggestive. It is to be hoped that the author will continue its publication, as intended (published by Octave Doin, 8 Place de l'Odeon, Paris, France; price, 4 francs).

THE American Association of Nurserymen, which meets in Chicago next year, has instructed the executive committee to arrange for a three days' trip on the lake, it being the intention to hold the regular sessions aboard the boat, making it serve as hotel and meeting hall as well as excursion boat. This was suggested by Mr. Z. K. Jewitt and met with the hearty approval of the members. The experiment will be of interest to other societies. Certainly the members will be able to keep cool. But if there should happen to be a "sea on" some of the delegates might be uncomfortable even though cool. However, the weather is generally favorable in June.

WE HAVE RECEIVED a report of the German exhibits in the horticultural department at the World's Fair, by Dr. L. Wittmack of *Gartenflora*. The report is illustrated with a number of half-tones, and contains 26 pages 12½x9 inches. Dr. Wittmack made a close study of the exposition while here.

PREPARE ADS. NOW
FOR OUR
CONVENTION
NUMBER.....

TO BE ISSUED
AUGUST 17.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

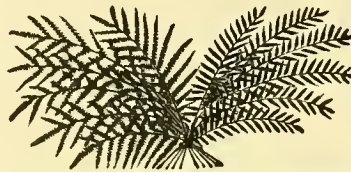
NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.

ELLIOTT'S ASPARAGUS PLUMOSUS NANUS.

The finest Decorative material grown. Graceful, durable and appropriate.

FOR JUNE WEDDINGS many thousands of yards will be used. This stock is grown to perfection in extensive houses specially constructed for this purpose, and can be shipped long distances without injury. PRICE PER STRING, 8 TO 10 FEET LONG, 50 CENTS.

WM. H. ELLIOTT, Brighton, Mass.



Hardy Cut Ferns,
BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.
SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON

The Boston Flower Market

s prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.

Address **JOHN WALSH, MANAGER,**
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."

Ellis & Pollworth,
WHOLESALE
CUT FLOWER GROWERS' AGENTS,

Dealers in Florists' Supplies—Wire Work.
Introducers of the new Scarlet Carnation "LIZZIE GILBERT." Send for prices.
386 Broadway, MILWAUKEE, WIS.
Box 75. Phone 1273.

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.



New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advs., floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).
A. BLANG, ENGRAVER for Florists, Philadelphia, Pa.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

H. L. SUNDERBRUCH,
Wholesale Florist

4TH AND WALNUT STREETS,
Cincinnati, O.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS,

495 Washington St., BUFFALO, N. Y.
SHIPPING ORDERS CAREFULLY ATTENDED TO.
OTHER SPECIALTIES:
Florists' Supplies, Wire Designs, Bulbs,
Long's Florists Photographs.
Catalogues, Lists, Terms, etc., on application.

W. ELLISON,
WHOLESALE
Cut Flowers and Florists' Supplies
WIRE DESIGNS.
1402 PINE STREET,
St. Louis, Mo.

C. A. KUEHN,
(Successor to ELLISON & KUEHN.)

Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.

A complete line of Wire Designs.
WISCONSIN FLOWER EXCHANGE,
CUT FLOWERS, PALMS, FERNS.

We believe the list of stock we offer to the trade in the above line of specialties to be the finest and most complete made by any firm in the northwest. If you have not received our June quotations, please notify us.

WISCONSIN FLOWER EXCHANGE,
MILWAUKEE, WIS.

JULIUS LANG,
(Formerly with THEO. ROEHRS.)
Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.

E. H. HUNT,
WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS.
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

Western Agent for the GREAT ANTIPEST.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and **FLORISTS' SUPPLIES.**
 34 & 36 RANDOLPH STREET,
CHICAGO.

T. J. CORBREY,
Wholesale Commission Florist,
 59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
Wholesale Florist,
 126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
 34 & 36 Randolph Street,
 PHONE MAIN 223, CHICAGO.
 HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
 51 WABASH AVENUE,
 Telephone Main 4937. CHICAGO.
 Our Roses best them all, in quality.
 Headquarters for fine American Beauties.

WM. E. LYNCH,
 (Successor to NILES CENTER FLORAL Co.)
WHOLESALE CUT FLOWERS,
 59 WABASH AVENUE,
 CHICAGO.
 SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL GO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
 WHOLESALE
COMMISSION FLORISTS,
 41 Wabash Avenue,
 Telephone Main 3208. CHICAGO.
 Consignments solicited. Prompt attention to all orders.

Cycas Leaves. FRESH CUT
 each 75c.
VAUGHAN'S SEED STORE, P. O. Box 188, Chicago.

Wholesale Markets.

Cut Flowers.

	NEW YORK, June 25.
Roses, general list	1.00@3.00
" Beauty extra	5.00@10.00
" ordinary	1.00@5.00
Carnations, ordinary	10@.35
extra	50@1.10
Valley	2.00@4.00
Sweet peas, per 1000	1.00@3.00
Lilies	6.00@8.00
Smilax	10.00@15.00
Adiantum	.75@1.00
Asparagus	50.00

	BOSTON, June 25.
Roses, general list	1.00@4.00
" Beauty	5.00@25.00
Carnations	.25@.50
extra	.75@1.50
Lilies	6.00@8.00
Valley	2.00@4.00
Sweet peas	.25@.50
Adiantum	.75@1.10
Smilax	12.00@15.00
Asparagus	50.00

	PHILADELPHIA, June 25
Roses, large teas	3.00@4.00
" small teas	2.00@3.00
" Beauties	15.00
Carnations	.25@1.00
Asparagus	35.00@50.00
Valley	3.00@4.00
Cattleyas	25.00@35.00
Sweet peas	.25@.40
Smilax	15.00@25.00

	CHICAGO, June 28.
Roses, Beauties	25.00
" Large teas	3.00@5.00
" Meteor	4.00@8.00
Carnations	1.00@2.10
Valley	3.00
Cornflowers, per doz. bunches	.50@.75
Sweet peas	.35@.50
Ox-eye daisies	.30
Smilax	15.00@20.00
Adiantum	.50@1.00
Coreopsis	.55
Gladiolus	6.00@8.00

	BUFFALO, June 25.
Roses, Beauty	15.00@25.00
" Mermet, Bride, Bridesmaid	3.00@4.00
" Meteor	3.00@4.00
" Perle, Hoste, Cusin	3.00
Carnations, long	1.00@1.25
" short	.75
Sweet peas	.30
Valley	3.00
Smilax	15.00@20.00
Adiantum	1.25
Asparagus	50.00

GEORGE A. SUTHERLAND,
 Successor to PECK & SUTHERLAND,
 Successors to WM. J. STEWART.
Cut Flowers and Florists' Supplies
WHOLESALE.
 67 Bromfield St., BOSTON, MASS.
 New England Agent for the GREAT ANTIPEST.

WHOLESALE
FLORISTS
 JOEBERS IN
 FLORISTS'
 SUPPLIES,
 FLORISTS'
 VASES.

METS,
 BRIDES,
 GONTIERS,
 CARNATIONS,
 ALWAYS ON HAND.
 84 Hawley Street,
 BOSTON, MASS.
 HORTICULTURAL AUCTIONEERS.
 Mention American Florist.

SAMUEL S. PENNOCK,
Wholesale Florist
 REAR OF 42 S. 16th STREET,
 Philadelphia, Pa.

PREPARE ADVS. NOW
 FOR OUR
Convention
Number
TO BE ISSUED AUGUST 17.

John I. Raynor,
 49 WEST 28th STREET,
NEW YORK.

SPECIALTIES FOR SUMMER
SHIPPING:
AM. BEAUTY,
METEOR,
VICTORIA,
TESTOUT.

THOS. YOUNG Jr.
Cut Flowers,

WHOLESALE
 43 W. 28th St., NEW YORK.

WALTER F. SHERIDAN,
 WHOLESALE
FLORIST.
 32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application
Edward C. Horan,
 34 W. 29th Street, NEW YORK.

WHOLESALE • FLORIST.
 Careful Shipping to all parts of the country.
 Price list on application.

JAMES PURDY,
 WHOLESALE DEALER IN
CUT • FLOWERS,
 57 W. 30th St., NEW YORK.

JOHN YOUNG,
FINE ROSES
 WHOLESALE,
 51 West 28th St., NEW YORK.

THEO. ROEHRS,
 WHOLESALE
FLORIST
 111 WEST 30TH STREET,
 Established 1879. NEW YORK CITY.

WELCH BROS.,
Wholesale Florists,
 NO. 2 BEACON STREET,
 Near Tremont St., BOSTON, MASS.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.; ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Chambers St., New York, Sec'y and Treas.

General Notes.

At Floral Park things look bright and lovely. Some sixty men are still at work planting out bulbs, principally gladioli, for which the demand is greatly increasing.

A field of German irises in bloom is a great sight, worth going miles to see. Double pyrethrums also look grand.

Senator Childs has now returned from Albany, and on his return from a fishing excursion (like all great men) he will remain permanently at home for the summer. And where could a nicer place be found?

Does it pay to spend \$30,000 a year to get new customers? Why not hold on to the old ones in some way or other?

Wm. Henry contends that he does not have to advertise every year, that his customers stay with him, and get their neighbors to club with them. He has the proof of the pudding.

It costs 22 cents for bait to get a fish to nibble at a catalogue; and that does not mean a bite either—so says Mr. Burpee. Add the cost of the catalogues to that, and there is not much profit left on mail orders—so say others. Yet Mr. B. gets there just the same.

But it is keeping lots of other folks out of the mail trade, sure. Initiation fee comes high. They will make you ride the goat and cut you all to pieces should you think of joining the craft.

Mr. B. says he got as many returns this year from quarter page ads. as from full page ads. last year. Certainly he had a regular walk-over. Billy was not in the field with his posters. Why not get up an adv. that will be paid for itself, anyhow? It has been done, and is done in other lines.

"They didn't think I'd do it, but I did." That is the favorite song of a little seed-lady of Minneapolis. "Watch my smoke." That is Sammy Haines's.

Has anyone bloomed that green "mum" yet?

Some seedsmen have ascertained that only two orders will result from 100 postal card inquiries from a catalogue.

Some people think it is only necessary to get out a large edition of a nice catalogue, and the money will rush into their cash drawer. Don't you believe it. We know an edition of 300,000, finely gotten up, too, with handsome cover; it brought in just \$15,000 in orders. Almost unbelievable, true; but we take the loser's word for it. A. B.

PEA growers report pea crop short.

The sweet corn and vine seed growers report good prospects.

The drouth in Ohio has ruined many crops of onions. Onion sets are a thin stand on the ground.

IN CALIFORNIA crops are looking fairly well. The onions are now in full bloom and consequently just at their most critical period.

LOS ANGELES, CAL.—Jas. H. Denham has sold out to Geo. B. Watson, of San Diego, who will continue the business, at the same time retaining his business in San Diego.

AT THE Detroit convention the general feeling expressed was that trade was

good as to volume but that prices had not been as satisfactory as had been hoped early in the season.

MR. A. D. COWAN, a formerly well known seedsman at 114 Chambers street, New York, died on the evening of June 22. The funeral services were held at St. Luke's Hospital Chapel, on Monday, June 24.

OSCAR H. WILL & Co., seedsmen and nurserymen, of Bismarck, N. Dak., have established a branch house at Fayetteville, N. Y., where they have a large and convenient building formerly occupied by a glove manufacturing concern. Mr. John M. Johnson will remain in charge of the western house and Mr. Will have charge of the eastern branch and will also make contracts and do the buying for both houses.

The Color Question.

THE AMERICAN FLORIST is now having carefully and accurately reproduced by lithography a chart of colors prepared for us by Mr. F. Schuyler Mathews and containing 30 of the most important shades. This chart may be depended upon as absolutely accurate and will undoubtedly be accepted as the standard in color description of flowers. We shall use this chart as a supplement to our convention number of 1895, to be issued August 17. Every subscriber at that time will receive a copy free with his paper. Extra copies of the chart will be supplied at 25 cents each.

The publication of this chart was a work of great expense but the urgent necessity for such a universal standard was such that we felt impelled to incur the expense and give the chart a wide circulation at once by making a present of a copy to each of our readers.

We have also in preparation several other attractive special features for our Convention Number.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—By Scotch gardener; best of reference, married, seven years in this country. Address W S, care American Florist.

SITUATION WANTED—By a first-class rose grower and cut flowers of all kinds; 22 years' experience. Address ROSES, care American Florist.

SITUATION WANTED—By competent all-round florist. 16 years' experience in cut flowers, pot plants, etc. M N, care Am. Florist, Chicago.

SITUATION WANTED—By lady, German, in flower store; 15 years' experience in designing and decorating. References. Address K, care Am. Florist.

SITUATION WANTED—By competent florist to grow roses, carnations, "mums" and general stock for retail; English, age 34, married, no family. Address J. T. TURNER, East Liverpool, Ohio.

SITUATION WANTED—By a German, single, age 23; eight years' experience (in this country) in general greenhouse work, in both the mail and cut flower trade; best references. E. LAMPRECHT, Ashland, Ohio.

SITUATION WANTED—By single man, 25 years as general greenhouse man; 9 years' experience in England, 1 in this country. Good references. State wages. Address HARRY DONNELLY, Lock Box 68, DuBois, Pa.

SITUATION WANTED—By a practical florist; well versed in seed business, vegetable, landscape gardening and greenhouse work; married, German, and 5 years in this country; state wages. OTTO HORST, Meridian, Miss.

SITUATION WANTED—By well experienced florist and gardener; 18 years' experience in greenhouse and landscape gardening; nationality, Swiss; age 35, married, no children; good references. JOHN SPALINGER, Huntley, Ill.

SITUATION WANTED—By a plant and cut flower grower; over 5 years in last place; 10 years in the country; will be free the 1st of July; good references, married. Address IRVING BEHREND, Framingham, Mass.

SITUATION WANTED—By single Englishman; 25 years' experience with orchids, stove, greenhouse and flower-lark plants. In private and commercial places, landscape work and floral decorations, and capable of managing a first-class all round place; steady and sober. Address care Am. Florist office, 67 Bromfield St., Bos'ton.

WANTED—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agt., 6122 Oglesby Ave., Chicago.

WANTED—Pteris tremula and Pteris argyrea 2 and 3-inch pot plants. Address N. ANZ & NEUNER, Louisville, Ky.

TO EXCHANGE—450 rooted chrysanthemums for 300 rooted Wm. Scott carnations. BENJ. J. PASSMORE, Swarthmore, Pa.

FOR SALE—For demolition, three greenhouses, pipes and boiler at a bargain. Address MRS. NOLL, 132 Wilmot Ave., Chicago.

FOR SALE—1 No. 4 Hitchings coal boiler as good as new; will heat 500 feet 4-inch pipe; price \$50, f. o. b. cars in Dixon, Ill. B. F. PRATT.

FOR SALE CHEAP—Any below items separately or together: Two Hitchings hot water boilers, size 16; 4-inch pipe, 1.70 feet; two greenhouses, total 42x100 feet. Also Hitchings ventilators for 3 houses, being six lifting gears, etc. GEORGE V. ADELMAN, Asshnee, Franklin, Venango County, Penna.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. With 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business wide and established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address MARY A. MCCLINTOCK, Administratrix, W. F. DARBY, her Att'y, Harrisburg, Pa. Steelton, Pa.

For Sale or to Let at a Bargain.

P. Gornley offers his florist plant, established 25 years. Everything in the best condition; 2 acres of land, 500 feet on Fremont street. Electric cars pass every 15 minutes; 1 mile from city hall. The best stand in Massachusetts. Speak quick if you want the chance of a lifetime. Address P. GORNLEY, 260 Main St., Worcester, Mass.

ADVANCE LIST

Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.,

Grown by P. SEBIRE & SONS,

USSY, (Calvados), FRANCE,

will be mailed on application to their sole Agents,

C. C. ABEL & CO., P. O. Box 920, NEW YORK.

New Fuchsia LITTLE BEAUTY, 50,000. The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$5.50 per 100.

GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$1.00 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist,

4010 Butler Street, Pittsburgh, Pa.

Smilax.

Extra strong, 2½-inch ready for 3-inch pots, at \$2.00 per 100. Or will exchange for Niphetos, La France, Mermet and Am. Beauty Roses.

MRS. W. A. REIMAN, Vincennes, Ind.

GERANIUMS.

Strong plants in best named varieties, mostly in bloom, (plenty of scarlets).

From 4 inch pots \$6.00 per 100
" 3-inch pots 3.00 per 100
" 2½-inch pots 2.50 per 100
Would close out the lot, about 1500 plants, at a bargain.

H. L. PHELPS, Springfield, Ill.

SURPLUS STOCK.

Class No. 1 Forcing Roses. BRIDESMAIDS, NIPHETOS, BRIDES, BRIDES, In 3-inch pots, \$3.50; In 2-inch pots, \$2.50 per hundred. SWAIN NELSON & SONS, 275 N. Paulina St., CHICAGO.

IMPORT PRICES
ON ALL
FALL BULBS
NOW READY.
Seasonable
Deliveries
on
Every Item.

VAUGHAN'S SEED STORE

New York: 26 Barclay St. CHICAGO: 84 & 86 Randolph St.



Gardiner's Celebrated English Mushroom Spawn.
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co., Philadelphia, Pa.

TUBEROSES
TO BE CLOSED OUT.
A dozen barrels, each containing 1500 No. 2 bulbs, at \$2.00 per barrel.
PITCHER & MANDA, Inc.,
Short Hills, N. J.



A SPECIAL FINE LOT OF **SWORD FERNS**, stocky, well-rooted, grown in leaf mould. Average height 8 to 20 in., well furnished. Price \$12 per 1000, 500 for \$7.
Have lots of other plants.
REASONER BROS.,
ONECO, FLA.

MRS. THEODOSIA B. SHEPHERD,
VENTURA-BY-THE-SEA, CALIFORNIA.
Grower of RARE SEEDS, BULBS, PLANTS, CACTI and SUCCULENTS.
Takes contracts to grow all kinds of stuff in quantity.
SPECIALTIES:
Seeds of New Cosmos, Chrysanthemum, Ipomoea Heavenly Blue, Begonia and Nasturtium. Send for trade list.

E. G. HILL & CO.,
Wholesale Florists
RICHMOND, INDIANA.
LILIUM HARRISII.
Original and largest growers of this important bulb.
OUR SPECIALTY!
True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
TARRYTOWN-ON-HUDSON, NEW YORK.



WATSON'S
IMPORT BULB LIST FOR 1895
has now been mailed to the Seedsmen and Florists of the U. S. and Canada. Any one in the business who may have been omitted can have a copy for the asking. Orders should be booked at once to secure delivery on time and lowest prices. The stock of LILY OF THE VALLEY, ROMAN HYACINTHS, LONGIFLORUM LILIES, PAPER WHITE, VON SION, AND OTHER NARCISSI; have been specially selected as to quality, and are offered at moderate prices. I have made some very advantageous contracts this season and give my customers the full benefit of same.
I can still offer a limited quantity of JAPAN LONGIFLORUMS for Oct. 1st delivery. Special rates on application. I am also in a position to furnish the NEW SPIRAEA (*Astilboides floribunda*), but quantity is very limited, and early orders are advised. Mr. Robert Craig of Philadelphia, grew this last winter. He says, "It's a GOOD THING."
G. C. WATSON,
43 N. 10th St., PHILADELPHIA, PA.
P. S.—*Astilboides floribunda* is an improvement on the ordinary *astilboides*. Do not confound the two. G. C. W.

JOHN N. MAY,
WHOLESALE GROWER OF
Roses & Chrysanthemums
All of which are now ready.
SUMMIT, NEW JERSEY.

A. & F. RÖLKER,
AUCTIONEERS OF
Plants, Bulbs, Orchids, Etc.
106 & 108 Liberty St., NEW YORK.
Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.


25,000 SMILAX PLANTS
from 2½-inch pots, strong and healthy,
\$2.50 per 100; \$20.00 per 1000.
TERMS STRICTLY CASH. Sample orders 10 cents.
FRED. SCHNEIDER, Mgr.
CLEVELAND FLORAL CO.,
751 Crawford Street, CLEVELAND, O.

PREPARE **NOW**
ADVS. **NOW**
FOR OUR
Convention
Number
TO BE ISSUED
AUGUST 17.

Bulbs! Bulbs!
Per 1000
NARCISSUS Double Van Slon..... \$8.10
" Double Incomparable..... 4.00
" Double Alba plena odorata..... 4.10
" Trumpet Maj r..... 6.00
" Trumpet Yellow..... 5.00
" Poeticus..... 1.50
" Poeticus ornatus..... 5.00
TULIPS, La Reine..... 3.00
" Scarlet Duc..... 3.00
" Artus..... 3.10
" Duchess of Parma..... 3.00
" Kelsers Kroon..... 7.00
" Chrysolura..... 7.00
" Yellow Prince..... 7.10
" Rosemundt Huisman..... 7.00
" Pottebakker, scarlet..... 7.00
" Murillo..... 10.00
" Tournesol..... 10.00
JOHN BARTH BOS, Bulb Grower,
OVERVEEN, HOLLAND.

FINEST OF BULBS
AT LOW RATES.
Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc. (1000 and 10000 rates only), now ready on application.
HULSEBOSCH BROTHERS, Englewood, N. J.
Mention American Florist.

WE SELL SEEDS
Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
Seed Merchants and Growers,
114 Chambers Street, NEW YORK.

 **H. H. BERGER & CO.**
(Established 1878) SAN FRANCISCO, CAL.
NEW PRICE LIST. Send for it.
Headquarters for FREESIA REFRACTA ALBA, LIL. LONGIFLORUM, AURATUMS, and all other Japan Lilies. ESPECIALLY LOW PRICES FOR EARLY ORDERS.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF
FLORISTS'
Plants, Seeds and Bulbs.
NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.



TRY DREER'S
GARDEN SEEDS,
Plants, Bulbs & Requisites. They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty. 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
METROPOLITAN P. O. East Williamsburg, L. I., N. Y.
The most Complete Assortment of Stock in the West for
FLORISTS and NURSERYMEN.
Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.
Catalogue and Price List free.
THE STORRS & HARRISON CO.,
Painesville, Ohio.

SMILAX.
2½-in. pots, strong thrifty plants, \$2.50 per hundred; \$20.00 per thousand.
F. A. BALLER, Bloomington, Ill.

Denver, Colo.

Retail trade in and about Denver has been slow of late, yet the florists from the mountain towns are sending in good orders, thus keeping the shipping trade in good condition.

The season has been late this year and outdoor flowers have been scarce up to the present time. Growers are now busied with their planting and many rose and "mum" benches are well under way with a fine young stock of plants.

Denver's park commission have put in several thousand trees and shrubs this year and have obtained many fine effects.

The City Park is coming to the front at a rapid pace and in a few years we hope to see it ranked with some of the best parks of the country.

There need be no complaint coming from us this year for the lack of rain, for we indeed have had our share, and looking toward the west I can see that the mountains are capped with a white covering of snow which assures plenty of water for irrigating purposes for the next two months at any rate.

Florists are all looking forward to an increased trade in the fall, yet we all know that we must be content with little work until September. P. C. G.

Syracuse, N. Y.

All the florists are well pleased over their spring sales, which have been far in excess of previous years.

People here as elsewhere have delayed planting out and there are places yet to be furnished. The long continued drouth has told on field grown stuff, but with Friday's glorious rain it has made a great improvement in the plants.

There are rumors that some of the florists will build more greenhouses this summer and there are more new men to join the ranks. Y.

Newport, R. I.

The sixth annual exhibition of the Newport Horticultural Society will be held at Music Hall, Newport, R. I., on October 30, 31 and November 1. The schedule of premiums is now ready and may be had upon application to the chairman of the committee, Mr. Alexander MacLellan, Ruggles avenue.

Mr. A. S. Meikle has been elected financial secretary of the society in place of Mr. Chas. D. Stark, who has resigned.

Rose Plants

FROM THE SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride, and Meteor.

Please write, stating just what you want, and I will quote you a bargain.

Originator of the ROSE BRIDESMAID. FRANK L. MOORE, Chatham, NEW JERSEY.

FORCING ROSES

OF ALL KINDS.

GARNATION PEACHBLOW.

For reasonable price.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw the New Rose growing, "I am agreeably disappointed; I had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF. \$35 PER 100; \$250 PER 1000.

SIEBRECHT & WADLEY,

Rose Hill Nurseries,

New York Office, 409 5th Ave.

NEW ROCHELLE, N. Y.

FORCING ROSES

First-Class Stock.

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Table listing other miscellaneous stock like STROBILANTHES DYERIANUS, NEW COLEUS, etc. with prices per 100.

NEW YORK: 26 Barclay St. VAUGHAN'S SEED STORE, CHICAGO: 84-86 Randolph St. GREENHOUSES WESTERN SPRINGS, ILL.

Forcing Roses. Choice Stock.

Table listing forcing roses like BRIDE, BRIDESMAID, METEOR, etc. with prices per 100.

We also have a fine stock of CHRYSANTHEMUM PLANTS especially grown for June benching, 2 1/2-inch pots, \$3.00 per 100.

- List of chrysanthemum varieties: WHITE-Ivory, PINK-H. Balsley, YELLOW-H. E. Widener, etc.

Forest City Greenhouses. H. W. BUCKBEE, ROCKFORD, ILL.

30,000 FIRST QUALITY FORCING ROSES. READY FOR IMMEDIATE PLANTING.

Table listing various rose varieties like GEN. JACQUEMINOT, PERLES, SAFRANO, etc. with prices per 100.

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Plants, 2, 3, 4-inch pots. BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

Rose Plants. VERY FINE HEALTHY STOCK.

Table listing rose varieties like METEOR, TESTOUT, BRIDESMAID, NIPHETOS with prices per 100.

BROWN & CANFIELD, Springfield, Ill. Mention American Florist.

American Beauty, Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor, La France, Testout, Kaiserin, Perle, Sunset. A. S. Mac BEAN, Lakewood, New Jersey. Mention American Florist.

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— OF —

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American
A
WEEKLY
JOURNAL
Florist
FOR THE TRADE

Will be issued **AUGUST 17, 1895.**

In addition to other specially attractive features it will contain an accurate *CHART OF COLORS*, comprising 30 of the most important shades, prepared for the FLORIST by F. Schuyler Mathews. The color chart will be a permanent part of the paper as readers will be advised of the necessity of keeping it in the paper away from the light except when in use.

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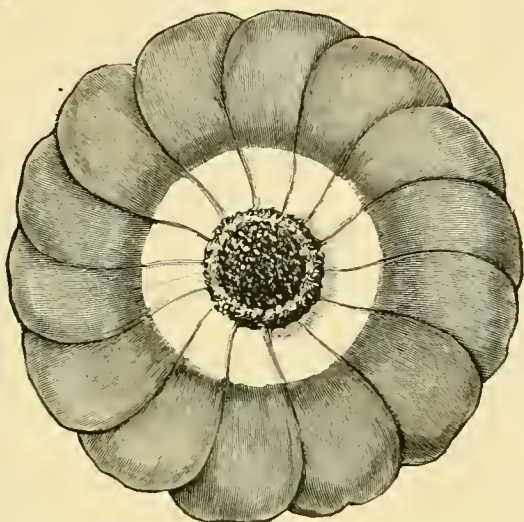
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AMERICAN FLORIST COMPANY,

P. O. Drawer 164.

 CHICAGO.



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PROBABLY there has never before been such a magnificent collection of Cinerarias shown as at the recent World's Fair, not only for beauty and brilliancy of colors, but for size and perfect form. The collection was of course the result of the gathering together of the finest strains from all the celebrated establishments of Europe. The success of our strain of International Pansies has led us to continue the same plan with Cinerarias, and we have secured seeds from the foremost seed growers of the world. Our Columbian Cinerarias equal those seen at the World's Fair.

COLUMBIAN CINERARIAS, mixed, per trade packet, about 1000 seeds, 50c.
CINERARIA HYBRIDA GRANDIFLORA, large flowering sorts, fine mixed, trade packet, 25c.

CALCEOLARIA HYBRIDA.

Calceolarias when in bloom at the World's Fair attracted much attention by the great size of the individual flowers and the richness of the colors and markings, many of these being new and distinct. It has been our good fortune to secure seeds of a most magnificent strain. Trade packet, 50c.

GLOXINIA HYBRIDA.

Finest mixed, 50c.
Defiance, new, flower large, bright scarlet 35c.

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VERBENAS

In bud and bloom. per 100 per 1000
MAMMOTH bushy plants. \$3.40 \$25.00
GENERAL COLLECTION bushy plants. 2.50 22.00

ROSES.

AMERICAN BEAUTY, fine, clean, healthy stock, 2 1/2-inch. \$8.00 \$75.00
3-inch. 10.00 95.00
HYBRID PERPETUAL, fine young fall propagated, 2 1/2-inch 5.00 45.00
Strong 5 and 6-inch in bud and bloom. 25.00

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Fifty fine varieties. \$1.00 to \$6.00 per 100

MISCELLANEOUS BEDDING PLANTS.

ANTHEMIS from 2 1/2-inch pots Per 100 \$ 4.00
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ALTERNANTHERA. 3.00
AGERATUM, Blue and White. 3.00
COLEUS from 2 1/2-inch pots. \$25 per 1000 3.00
" " 3-inch " strong and bushy. 5.00
DRACENA INDIVISA, strong, large plants 40.00
" TERMINALIS, nicely colored, 5 in. \$4 per dozen
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GERANIUMS double and single, 3 1/2-inch pots. 5.00
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HELIOTROPE, 2 1/2 and 3-inch pots. \$3 and 5.00
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CARNATIONS, 3 1/2-in. pots, summer blooming. 15.00
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THE FINEST STOCK AND SELECTION IN THE WORLD.

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A. DIMMOCK, Agent, care Holker's Auction Rooms, 106 and 108 Liberty Street, New York City
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Extra strong, from 2 1/2-inch pots, now ready for 3-inch pots,
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SEASONABLE STOCK.

IN FIRST-CLASS ORDER.

Acalypha Macafeeana, 2 1/2-inch pots. Per 100 \$5.00
Ageratum, Cope's Pet. 2 1/2-inch pots. 2.00
Alyssum, Tom Thumb, 2 1/2-inch pots 2.50
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Coleus, Golden Crown, Flebrand, Beckwith's Gem, Purple Prince—a sturdy variety, superior to Hero, 2 1/2-inch pots. 2.00
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Ivy, Souv. de Chas. Turner, P. Crozy, etc., mixed, 2 1/2-inch pots. 4.00
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Solanum Jasmynoides, 2 1/2-inch pots 10.00
Stevia serrata variegata, from flats, strong 2.00
Swainsona galegifolia alba, very fine and strong, 2 1/2-inch pots. 4.00
Manettia bicolor, 2 1/2-inch pots. 5.00
Alternanthera, rooted cuttings.75
Coleus, rooted cuttings.75
N. B.—The above prices are f. o. b. at Oyster Bay, without the pots.

SEAWANHAKA GREENHOUSES,

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For Forcing

Roses, Carnations, Chrysanthemums and bulbs, and for inducing a healthy growth of all plants, there is nothing equal to

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Horticultural Manure.

It is highly concentrated, and made from pure chemicals.

Write for sample, trade prices, and discounts on retail packages.

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NEW CARNATIONS.

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SMILAX PLANTS

Extra strong, from 2 1/2-inch pots,
\$2.00 per hundred.

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Buffalo.

There has been according to the papers any amount of weddings this past two weeks, all doing a little good to the trade and well distributed, but with two or three exceptions, they have mostly been \$15 affairs as far as the florist was interested. Good roses are none too plentiful. The extreme dry weather has been very unfavorable to outside hybrids, and Beauties are still in good demand. Carnations are very plentiful and for the season of first-rate quality. On asking the veteran Palmer if he was picking many now he replied in his characteristic style, "Yes, a ton a day." It's a new way of measuring the divine flower, and I think a cord would be easier realized.

This week is a week of conventions and that always helps a good deal, in spite of the dominions who frowned severely a year or two ago on such a profusion of flowers at the exercises. The plant men are about through with their flower beds, veranda boxes and vases, and the bulk of the business must have been larger than last year. Good 4-inch geraniums ran out early in the month, and those who had a good supply left on the 10th of this month had it all to themselves.

Our D. B. Long has just returned from an extended tour among his shippers, and has come back full of shoot. We suspect he has been telling the folks he was a crack at it, and now wants to be as good as his word.

Last Friday this locality was blessed with a very heavy shower (nothing else) but for that many thanks. It was a blessing to the carnation growers in the surrounding towns.

Mr. James Kidd of the Pacific slope gave Buffalo a short visit last week, but unfortunately we failed to connect. W. S.

LYSOL.

The Ideal Insecticide.

Send for Pamphlet, etc.

HERRMANN'S SEED STORE,

413 EAST 34TH STREET,

Near Long Island Ferry, **NEW YORK.**
Mention American Florist.



Kills Mildew and Fungus Growth. What does? **GRAPE DUST.** Sold by Seedsmen.

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LEMON OIL INSECTICIDE,

Used now by the leading Florists.

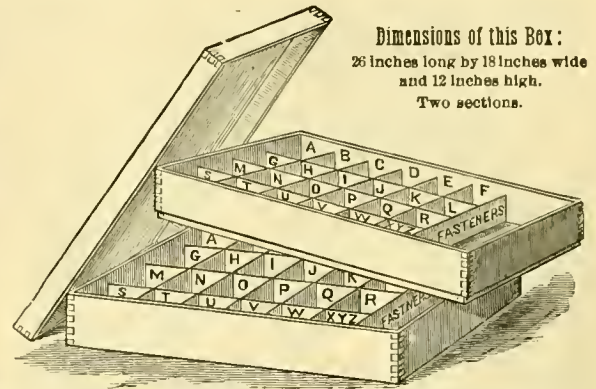
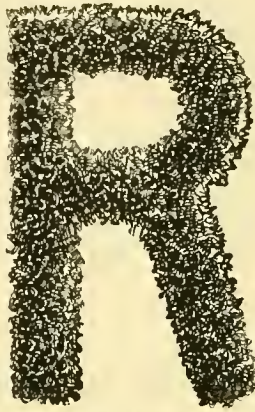
75c. per quart; \$1.25 per 1/2 gallon; \$2.00 per gallon; \$9.00 for 5 gallons.

HENRY F. MICHELL, SEEDSMAN,

1018 Market St., **PHILADELPHIA.**

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MME. F. BERGMAN is the best early white to date. Price from 2 1/2-inch pots, \$4.00 per 100. **YELLOW QUEEN**, best early yellow, 2 1/2-inch pots, \$4.00 per 100. Fifty other good market sorts from 2 1/2-inch pots, \$3.00 per 100. Special price on large quantities. **SMILAX**, from 2 1/2-inch pots, strong, \$2.50 per 100; \$20.00 per 1000. Send for Catalogue. ADDRESS **J. G. BURROW, Fishkill, N. Y.** Mention American Florist.



Dimensions of this Box: 26 inches long by 18 inches wide and 12 inches high. Two sections.

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Sizes 1 1/2-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

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We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers in Boston.

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OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

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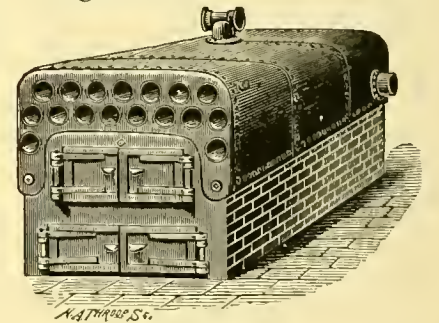
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CHEAPER THAN GLASS for cold frame sash is "FENSTER PAPPE" comes in rolls of about 110 yards long, full 3 1/2 inches wide; will last for seasons when prepared as directed. The most useful article wherever shading is required. An original roll costs only \$10 cash. If you wish to see more of it before ordering, send one dollar for a trial roll of 8 yards to

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THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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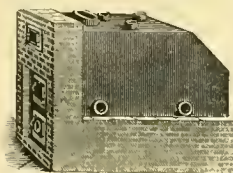
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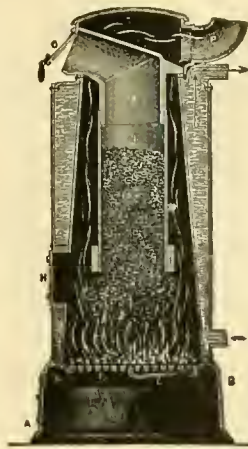
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TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE. Vaughan's Seed Store, Box 688, Chicago.



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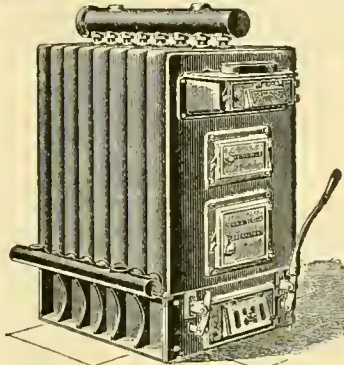
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And all places requiring hot water for HEATING AND GENERAL USE.

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It is all that its name implies and don't forget it.

Cuts and full information mailed on application.

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SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?

The "New Departure,"

OR "MEAT SAW" LIFT,

Will do the work quick, better, and COST LESS than any other appliance ever invented.

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NATURAL GAS MADE GLASS,

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SPINCTER GRIP ARMORED SPRING STEEL GALVANIZED. Pat. 1882, '85, '86, '88, '90, '91.

FOR WATER, AIR, STEAM, ACIDS, OILS, LIQUORS, GAS, SUCTION, And for any and every purpose for which a hose can be applied.

Sizes, 1/8-inch to 42 inches diameter. The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our Patents. The rights secured to us render each individual dealer or user responsible for such unlawful use with all the consequences thereof. For prices and discounts address WATERBURY RUBBER CO., Sole Mfr's and Owners of all the Spincter Grip Armored Hose Patents, 49 Warren Street, New York. J. C. VAUGHAN, Agent CHICAGO.

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Prepare Advs. NOW FOR OUR Convention Number

TO BE ISSUED AUGUST 17.

WHEN writing to any of the advertisers on this page please mention the AMERICAN FLORIST.

News Notes.

MUSCATINE, IA.—The business of the late Conrad Kranz will be continued by his widow and sons.

JOLIET, ILL.—The Illinois State Penitentiary is getting material ready for the erection of three new greenhouses 20x60.

PEORIA, ILL.—The park bill has passed the legislature and the park commissioners can now proceed with the program for park improvement.

SAVANNAH, GA.—Geo. Wagner added a house 160x15 to his place last fall. A. C. Oelschig is building a rose house 100x35, to be heated with hot water.

TRENTON, N. J.—Geo. Wainwright Jr. of the well known florist firm of this city, had the misfortune to break his leg on the 17th, being thrown out by a runaway horse.

DALLAS, TEX.—The Texas Seed and Floral Co. has been incorporated with a capital stock of \$10 000. The incorporators are Seth Miller, R. Nicholson and David Hardie.

PAWTUCKET, R. I.—The fiftieth June exhibition of the Rhode Island Horticultural Society, consisting of strawberries, roses and other flowers, was held on Thursday, June 20.

OMAHA, NEB.—Trade has been very good this spring although prices on both plants and cut flowers were slashed. This was probably due as much to the hard times cry as anything. The florists are very active in replacing glass broken by hail and some of them are building new houses. Mr. S. Falconer is starting in business for himself. He has been with Mr. A. Donaghue for the past eight years. Mr. Ehrenfurt has taken his place again. He has rented it to others during the past five years.

SANTA CRUZ, CAL.—The floral carnival June 12 attracted crowds of visitors. The parade of floral floats and flower bedecked vehicles was very elaborate. After the procession entered the carnival arena the queen, with her maids of honor, descended from her float and reviewed the parade, which passed three times around the vast amphitheater. On the third time around the judges awarded the prizes. Then came the battle of flowers. It was a bloodless battle. Every spectator threw flowers and bouquets at those on the floats and in the carriages. The floral ammunition was abundant. The battle raged pleasantly until Queen Anita gave the order for it to cease.

PROTECTION FOR HOSE AT LAST.



For sale by all Seedsmen. No florist can do without it. Cheap, practicable and indestructible. 36 cts. each, or \$3.50 per dozen. MANUFACTURED BY CHAS. SCHUCK, 2457 North 8th St., PHILA., PA.

CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to J. Horace McFarland Co. HARRISBURG, PA.



Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafter, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

LOCKLAND LUMBER CO.

LOCKLAND, O.

THE ORIGINATORS OF THE STANDARD FLOWER POTS.

Our capacity now is 12,000,000

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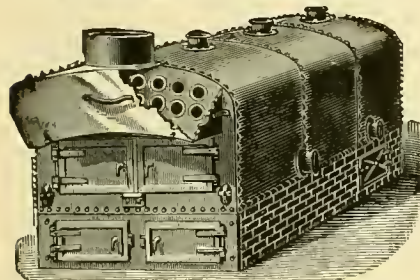
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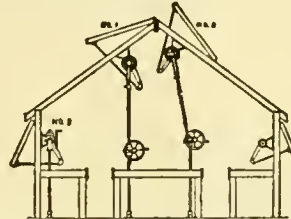
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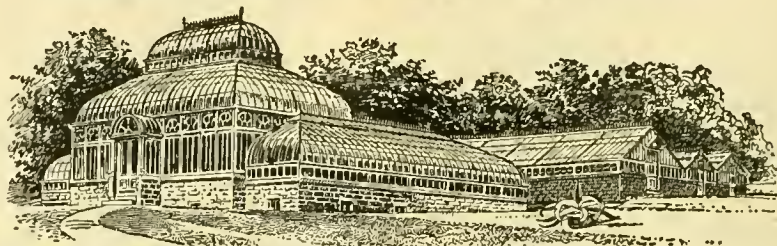
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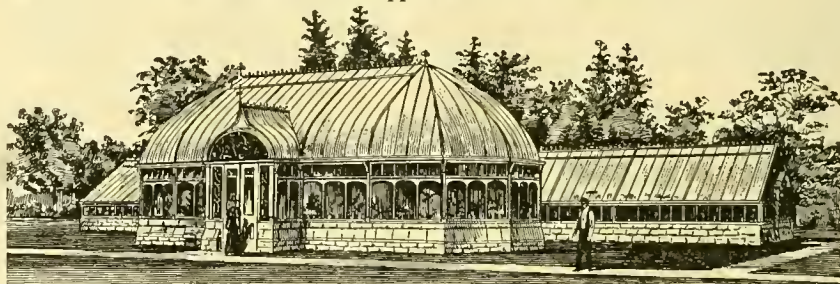
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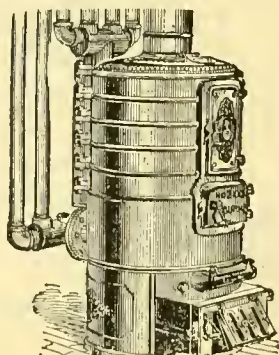
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Vol. X.

CHICAGO AND NEW YORK, JULY 6, 1895.

No. 370

THE AMERICAN FLORIST

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P. O. Drawer 164, CHICAGO.

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; Wm. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 20, 21, 22 and 23, 1895.

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Society of American Florists.

President Lonsdale has appointed F. R. Pierson of Tarrytown, N. Y., to succeed I. Forsterman, deceased, and E. A. Wood, Denver, Colo., to succeed John N. May, resigned, on the Nomenclature Committee for 1895.

GERMANTOWN, PA.—Mr. David Cliffe sailed for England on the Aurania July 4.

UNIONTOWN, PA.—H. Hughes has sold his business here to W. R. McElroy, who will continue it on the same lines as heretofore.

TRINIDAD, COLO.—S. C. Thorp & Son are building one new house 75x20, to be heated with steam. They report trade as better than last year, with a growing demand for plants in holiday trade and call for a better class of bedding plants than formerly.

Herbaceous Plant Notes.

Lychnis flos-cuculi plenissima semperflorens is a very long name, but one of the greatest introductions of late years, and will undoubtedly become a very popular plant when better known. It beginning to bloom in June and continues until frost cuts it down, and by taking up the plants in the fall we may have them in flower through the whole winter in the greenhouse. The color is a beautiful soft rose-color, and the flowers are perfect in form and round, the ray florets very narrow, each separate flower showing distinctly to advantage; very floriferous when once established. The plant itself is low, but the numerous flower stems springing from every growth attain a height of 18 to 24 inches. Very desirable in every respect.

Senectis or *Erigeron speciosus* is covered now with a multitude of pretty aster-like flowers, light violet in color, on erect many flowered stems; a fine floriferous border plant, blooming in summer and autumn, and growing 1½ feet high.

Galega officinalis is a pretty old plant with pea-shaped flowers, densely set on rather long racemes, springing from the axils of the leaves, and freely produced. The color is a light blue or lavender shade, and the branches are useful for cutting. The leaves are pinnate and the leaflets broadly lanceolate, 6 to 8 paired. A good plant for the border, blooming throughout the earlier part of the summer, and growing 2½ feet high. *Galega officinalis alba* is a very desirable white form of the above, and identical in every respect, but of a more compact and shorter habit.

Yucca filamentosa on banks and the rockery is blooming freely on bold erect, many branched pyramidal flower stems, set with numerous large waxy-white drooping flowers. The panicles attain a height of 4 to 6 feet, and the plant itself with its stiff sharp-pointed leaves has a rustic stately appearance, well adapted for planting on banks or among rocks. Blooms in June and July.

Spiræa Ulmaria, the meadow sweet, is a much neglected but beautiful border plant, blooming in June and July in dense flat feathery cymes on stout many-branched erect stems. The fluffy surface of the white flower heads is much admired by everybody, and it is also a most desirable cut flower; height 2½ to 3 feet. *Spiræa Ulmaria* fl. pl., a very pretty double form of the above, is a little dwarfier in habit and the flower heads are also somewhat smaller in size, otherwise the plant resembles the foregoing.

Anthemis tinctoria is a most profitable plant for the florist during the entire summer and fall, but when neglected and the old flower heads are left on the plants to go to seed, bloom will not be produced any longer than September, yet by constantly cutting the older flowers every

day we manage to have it in full blaze from the middle of June to November. The daisy-like golden yellow flowers 2½ inches across, with deeper yellow disk, are large and handsome, perfect in shape, and will sell at anytime in a store. They last in good condition for days after cutting, and have long stout stems. The plant itself forms a spready but compact bush with twice pinnatifid leaves, which have a whitish down over the reverse side, and they are so very floriferous that a constant supply may be had of one or two dozen plants if they are well taken care of; eighteen inches in as high as they will grow and it is one of our finest perennials for the mixed border. *Anthemis tinctoria* Kelwayii, of newer introduction, resembles the above in every detail, and I can not see any difference between the two excepting perhaps that the flowers are of a deeper shade of yellow.

Leontopodium alpinum, the Edelweiss, is an alpine plant from the Swiss alps, largely gathered there by the peasants and offered for sale as souvenirs to travelers. The plant and inflorescence both are covered with a silvery white down, and the flower stems may be dried or pressed, and will keep the silvery color for years just like everlasting. This somewhat rare plant is much esteemed by travelers in Europe, and though not showy it is a pretty thing when in flower, the stems growing 6 to 8 inches high. The flowers proper are surrounded by bracts, standing out more or less regular in star shape, and this is what attracts attention to the plant. They remain in good shape for months on the plant.

Rudbeckia maxima is the largest of the rudbeckias and the solitary flower heads are produced freely on long stiff stems from now on to September. It is a handsome stately plant, but attains considerable height, 4 to 6 feet or more if planted in the shrubbery, but the large golden yellow ray-flowers produce a grand effect at the back of a wide border or in the shrubbery. The florets or rays around the elongated disk are drooping down a trifle, giving the disk a more columnar appearance than it really possesses.

Monarda didyma with its bright scarlet whorls of flowers, which are supported all around the head by pale green bracts, red at the base, will make a grand show from June to September if planted in a moist situation; in a very dry and sunny place the flowers do not last so long and growth is checked, so that by the middle of August no more flower stems will start from the roots. It is an excellent plant for low places or the shrubbery and water edges, where it will grow to a height of 2½ to 3 feet.

Agrostemma coronaria flowers from June to August profusely, forming an erect bush 1½ to 2 feet high with elongated broad leather-like foliage, covered with silvery woolly down. The flowers

are produced on one-flowered peduncles which spring from the main stem in succession; they are 5 petaled, an inch or more across, of different colors, the regular type being white with a large pale rose center, but there is a variety of colors from pale rose to a deep dark crimson. A most desirable plant for the mixed border or for moist places, where it grows luxuriantly.

Lychnis fulgens Sieboldi blooms from June to the end of summer, and is an exceedingly handsome border plant; the flowers are large, borne on a contracted cyme of a soft shade of salmon rose or pure white, and the plant does not grow higher than 1 foot. *Lychnis vespertina alba plena*, with large very double fragrant pure white flowers in very loose panicles, is a fine plant for the border, blooming all summer; the individual blossoms resemble a very double carnation, but can not be gathered with long stems, the weight of the flowers being too great for the weak stem below the calyx, but still I have seen these flowers stemmed and used by many in designs of all kinds, when carnations were scarce; height 2 to 2½ feet.

Coronilla varia blooms from June to November; the flowers are produced from the axils of the leaves in many-flowered umbels of a pale rosy lilac combined with white. The plant has a straggling or trailing habit, but nevertheless it is a good thing for the rockery or the border, the leaves are pinnate, having about a dozen oblong elliptic leaflets, height 12 inches.

Silene orientalis with dark pink or rose flowers in densely crowded corymbs on long branchy stems 1 to 1½ feet high, blooms in June and July, and may be used for bouquets. The leaves are oblong cordate, and have a glaucous surface. A good plant for the border and free blooming.

Scabiosa caucasica is a pale blue hardy species of the common *scabiosa*. The flower heads and also the habit of the whole plant is the same as in the latter. It blooms from June to September; 1½ feet is as high as it will grow, and it may be used for cutting. *Scabiosa ochroleuca* has the same habit, and is just as floriferous as the above, but has creamy white flower heads. Both are very pretty plants for the border.

Jasione perenne is an elegant very free-blooming species, forming an erect bushy plant 12 to 15 inches high, with oblong rather hairy leaves. It blooms from June to September, and ranks with our best perennials. The flower heads are large and deep. 2 inches or more across, of a pleasing shade of light lavender blue, and have the lasting quality after being cut. Sandy or light soil is best for them, and they grow and flower luxuriantly even in very dry weather.

Gaillardia aristata and *G. aristata grandiflora* bloom from now until very late in the autumn, bringing forth their large golden yellow flower heads in succession. The centre of the flower is flamed and washed with red more or less, some of them are nearly wholly red except a narrow edge on the fringed part of the petals, others have a clearly defined broad band of yellow extending to the middle of the petals. The type bears flowers 2 inches across, while the latter named is much larger in size. Both are very desirable border plants and extremely useful for cutting. Their gaily colored flower heads, the floriferous character of the plant and their adaptability to every soil and situation should earn them a place in every collection. It

makes no difference where they are planted, they always show off to advantage, height 1½ feet.

Lathyrus latifolius, our broad leaved everlasting pea, is now beginning to make a fine show along a wire fence. We grow the white variety principally, intermixed with a rose-colored one here and there. They are most desirable for covering trellises or wire fences, and being also much admired in a cut state the florist should have a good long row of them in the garden for this purpose, as they bloom freely from June to late fall and are not affected by the dry weather like the sweet peas. Also they will come up stronger every succeeding year, growing taller and thicker each season.

Iris anglica, the English iris, is flowering now and comes in very handy for cut flowers. A variety of colors and shades, mostly running in lilac, blue, purple, yellow and pure white are among them, and they are very fine flowers rivaling the large flowering orchids in delicacy of shades and combinations of colors. It is generally believed that they are not hardy as far north as this, but they are perfectly safe if planted in well drained land where no surface water will stand over the bulbs, especially in fall, winter and spring months; they do not want to be overmoist. The bulbs should be left in the ground all the year around and not be disturbed for years, as they will improve each year both in the size of flowers and size of clumps. Large masses of this beautiful iris in a border will make the grandest show in June and July, and it is strange that we never see them in this country. Height of flower stems 1 to 2 feet.

Lilium candidum, our common pure pearly white garden lily, should be grown in quantity by every florist, and also by everybody else. When a large mass of it is planted in a bed or border it produces a grand effect when in bloom in June and July. The strongest bulbs should be used, and large racemes with one to two dozen flowers will be produced, but care should be taken to plant always in well drained land, and if the soil is not shaded enough by the lower leaves of the lilies or by the surrounding plants, a mulching of clippings from the lawn will keep the soil cool. One of the principal reasons so many of us do not succeed in the outdoor culture of lilies is the failure to provide a cool soil for them, and also that we do not think of draining the land for them. The roots will start and take hold of the ground in early fall, and the cold water and over abundance of moisture in fall and winter will destroy these roots again, which should be preserved by all means if we want strong healthy flower stems. Height 3 to 4 feet. *Lilium excelsum* blooms from now to August, and is admirably adapted for the border, planting in clumps of a dozen or more. The color of the flower is a tawny yellow or buff tinged with light brown, of large size with reflexed petals. The stems are 4 to 5 feet high and many flowered. One of our very best lilies, but lately much neglected. *Lilium chalcedonicum* is the nearest approach to a scarlet we have in the lily family; the flowers are large and the petals reflexed so as to form almost a perfect ball. It is one of the easiest to grow in the border. The stems are many flowered, and grow to a height of 2½ to 3 feet. A splendid variety with an exceptionally dazzling, glowing color.

Delphinium hybridum is the most stately and ornamental of the whole list of delphiniums for either the border, the beds or the shrubbery. In color it ranges

from the deepest dark purple through all the various shades of blue to a pure white, and the spikes are of an enormous size under good cultivation and in rich deep soil. If planted either singly or in masses three feet apart each way, the long many parted pyramidal racemes will be all of 2 feet long, and can be cut with stems 4 to 5 feet long if desired. The plant when well established attains a height of 6 feet or over, but if planted on poorer ground and closer together 2 to 3 feet with correspondingly smaller spikes will be as tall as we can induce it to grow, therefore it pays to bestow special care and liberal treatment. Prepare the soil where they are to be planted in the best possible way, digging deep and adding the best of fertilizers, and every fall an additional heavy topdressing, which should be worked in with a fork the following spring. When they come to bloom the following June after such treatment we have no poor spikes to show. These spikes are very useful for cutting, especially those of the soft and light shades of blue, which look so beautiful in large vases either by candle light or in day time. The plants continue to bloom until August, young stock keeps on until September, but does not begin to flower so early in the season. There is no other perennial of such easy growth and stately habit for planting in large masses, which with a small outlay, would make so good a show in the garden, large or small.

Malva moschata alba, the musk scented mallow, is such a profuse bloomer during June, July and August that a few plants of it should be planted in every herbaceous border. The flowers are large, 2 inches or more across, of the purest satiny white, springing from the axils of the short jointed leafy stem as it elongates; the foliage is dark glossy green, the lower leaves kidney shaped, the upper ones deeply lacerated into segments. A fine perennial growing about 2 feet high.

Iris Kämpferi, the Japan iris, is beginning to bloom now, and the coloring in the flowers is truly grand. They range in all shades from pure white to a deep glossy purple; many of them are marbled and veined with darker or lighter blotches or veins, and all have a conspicuous golden yellow stain at the base of the petals, which are very broad and large as also are the flowers. They are most desirable for cutting, and last a long time in water. The leaves are narrow and long, of a pale green, height about 2 feet. Unlike the German iris this section does better when planted in a rather moist situation, where the flowers will be more perfect and of larger size and the plants increase and spread more rapidly. The latter part of June to August is their blooming time.

Althæa rosea, our hollyhocks, are of such endless variety in colors of all shades excepting blue; the plants when in bloom have such a stately appearance and make such a grand display in the shrubbery or at the back of a wide border, and everybody knows them to be so valuable in the garden that it seems hardly in place to mention them here, but as the flowers, especially those of the lighter and more delicate shades, are used extensively by many florists I could not omit this valuable decorative plant. Summer and autumn is their flowering time, old stools coming in earlier in the season than young or newly divided plants.

Adenophora liliiflora odorata is a gem of the first water, and an elegant herbaceous plant with loose pyramidal, branchy flower stems bearing numerous



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campanula-like, pale soft blue bells, which are very sweet scented and of beautiful shape. If grown in quantity and planted rather thickly, they make a fine show in the border, and it is a pity that this plant is not met with more often, for it has all the qualities of a first-class perennial. It flowers June, July to August, and attains a height of about 18 inches. Requires sandy light soil and does best in full sun.

Dracocephalum Ruyschianum is a very pretty dwarf plant, bearing salvia-like very large deep blue flowers in whorls of 5 or 6 together on oblong spikes growing about 15 inches high, and blooming during June and July. *Dracocephalum grandiflorum* (*D. altaense*) is of still dwarfer habit and a very showy perennial; the flowers are lighter blue than the first mentioned and also borne in whorls on erect spikes. June and July is their flowering time, height 9 inches. A good thing, deserving a place in every collection.

Helianthemum mutabile, rock rose or sun rose, is a very pretty, desirable dwarf and free blooming hardy plant for the rockery or front part of the mixed border; has pale rose flowers, fading to white, resembling single roses in shape, blooms from June to September. A low many-branched procumbent plant with narrow pointed foliage and thin wiry branches; height 6 to 8 inches. We meet this pretty plant very seldom in the United States.

Agrimonia Eupatoria has long slender spikes of golden yellow flowers closely set along the erect straight flower stems, and will last from the end of June to August. The plant itself is low and bushy, and the

spikes grow well above the foliage to a height of 18 to 24 inches. A desirable plant of easy culture.

Erigeron aurantiacus is an excellent border plant with double bright orange colored flowers on a stout erect stem, blooming in June and July, and growing 12 inches high. This fine perennial should have a somewhat moist place to grow in, and if protected from the hottest mid-day sun so much the better. When no such place can be found for it mulching the ground will benefit the plant greatly.

Catananche cœrulea is an old favorite in the herbaceous garden, flowering from June until late in the autumn. The solitary flowerheads are produced very freely on long stems, and the plant is never out of flower in summer or autumn. The color is a soft shade of lavender blue, and the calyx has a shiny silvery appearance. It is also a good cut flower; height 2 feet. The variety *C. bicolor* has white flowers with a blue center, otherwise it resembles the type.

Hardy carnations have been much neglected in gardens for the last 25 years, but are likely to regain their former position in the near future. Old fashioned flowers of every description are the fashion now for planting out, and are gaining in popular favor every year, so the hardy carnations above all other old plants deserve to be brought to the front. There is a great variety of colors to be found in the carnation. Selfs or one colored, Bizarres with markings and stripes or bands of various colors, and Flakes, which are marked only with one

distinct color on a clear or light ground, also the Picotees, which are edged with a darker color on a white or light ground. Nearly all of them are highly scented, and many varieties are as large and well-formed as our best tree or everblooming carnations. As a rule all are hardy with us, and need no winter protection of any kind, except when newly planted late in the fall and if hard frost sets in early before the plants can take a firm hold in the ground. A few clumps here and there in the mixed border greatly assist in brightening up the otherwise soft or dull coloring of most of the hardy July flowers in the garden.

J. B. KELLER.

Rochester, N. Y.

Sprigs From the Spice Bush.

"VARIETY IS THE SPICE OF LIFE."

"Carnation Edna Craig," says Christian Eisele, "is one of the very best pollen varieties." He showed the writer a batch of a thousand seedlings, the product of a cross between that and *Pride of Peshurst*, from which he hopes to get some good ones, especially in the line of a good yellow. An interesting collection of hardy border carnations is also to be seen at Mr. Eisele's, and an effort will be made to popularize this class in the near future. Some interesting experiments are being made with the *Malmaison*, *Reynolds Hole* and other foreign sorts crossed with our winter blooming varieties. Carnation lovers can spend a very interesting hour with Mr. Eisele. His greenhouses are at 12th street and Germantown ave-

nue, Philadelphia. By the way, Mr. Eisele has a very good word to say for The Stuart carnation. He thinks growers have been unaccountably slow in taking hold of it, but predicts a great future for this sort. An interesting collection of herbaceous plants is also to be seen at this place, among those in flower at present were noted especially Iris Kämpferi in many different colors, double hollyhocks, a white variety of Silene armeria (a good thing for cutting), lychnis, double pink, white achillea, cannas, coreopsis, and a grand collection of sweet peas.

Mr. Isaac Kennedy (the right hand man to John Burton of Chestnut Hill) and your scribe paid a visit recently to the Penn Rock Nurseries, Wilmington, Del., a new establishment owned by Samuel N. Trump. The foreman here is Robert Lockerbie, a graduate of the Craig establishment in Phila. Roses and carnations are a chief feature here, although a general stock for bedding and cut flowers is also grown. The greenhouses are of considerable extent and are built in the latest style with all the modern improvements. An ideal packing shed is not the least of these same improvements. The building of two more large houses is contemplated this summer. Mr. Lockerbie had good success with mushrooms last winter and intends to grow more of them next season.

De Vochte & De Wilde are another new firm in Wilmington. They have the old Hannan place and are remodeling it thoroughly. Mr. De Wilde is well known around Philadelphia, having been engaged in the florist business in Chestnut Hill at one time.

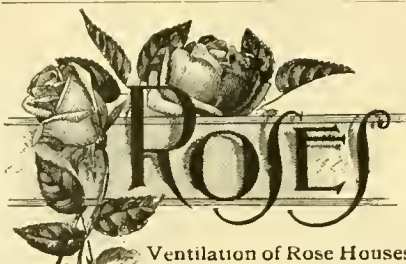
A pointer which seems of value to florists came out in the course of casual conversation with Mr. Charles H. Allen of Long Island the other day in regard to growing longiflorums in frames during the winter so as to bring them in flower in July. Mr. Allen planted a lot in November (Japan bulbs) and when in flower they brought \$2 per dozen in the New York market. They flowered earlier than album præcox and formed a useful auxiliary to that fine variety. It would therefore seem a good idea to reserve part of the usual stock of this lily for frame culture.

Lilium Melpomene: What is the origin of this fine lily? I have always understood it was one of the late Mr. Hovey's seedlings; the transactions of the Mass. Hort. Society being my authority for this belief. The record states that Melpomene and another, the name of which I forget, were about the only really desirable acquisitions obtained by Mr. Hovey from a great many seedlings raised. But one of the largest importers of Japan lilies assured me the other day that Melpomene was a native of Japan. Mr. C. H. Allen, to whom I submitted the question, also maintained that this sort was a native of Japan. Can any one throw any light on the subject? G. C. WATSON.

Victoria Regia Rotting.

We have had a great deal of trouble with the recently matured leaves of our Victoria regia rotting all over the surface. They rot in the night time without any apparent cause. We are growing them under glass, leaving all the ventilation possible on them night and day, with water heated to a temperature of 85° to 90° running into the tank continually. If any one can explain the reason of the leaves going off in this manner will they please answer through the FLORIST.

GROWER.



Ventilation of Rose Houses.

A subscriber who signs himself "Temperature" asks the following: "We have a rose house 50x20, 3/4 span, 14x16 glass, ventilated top and bottom full length. But I find it rather difficult to keep the proper temperature even with partial shading. The house is planted annually with 6 or 8 varieties of the leading roses. Would you advise opening the bottom ventilator during the summer months? I find in bright days in winter the temperature will run up to 90° or more with all the heat shut off and outside temperature 15° or 20°."

There are so many large growers of roses in the country—I am only a pigmy among them—that the editor would have done well to refer this rather important question to a larger man. I have, however, studied the question of ventilation for a good many years, and here is what I know about it. A good winter rose house (the 3/4 span with the long span facing south), yet the ideal house with the large majority of growers, but not with all, is the least suited for the production of fine roses from May 1 to October 1. An equal span running north and south would be the best style of house to produce roses in the hot months of the summer. "Temperature" says he plants annually, so he can't be looking for rose buds from June until October, because he should be throwing out the old crop early in June, replenishing the soil and getting in his new crop, and unless the young plants grew phenomenally it would be at least the end of September or early in October before the young plants were allowed to develop their buds. To those who carry over houses for summer cutting ventilation is a more serious matter. I would say flatly there is no use in bottom—usually called side—ventilation. The only two months in the year it could be safely used would be July and August, when settled warm weather is here, and little fear of a draft. All rose growers know that in nine cases out of ten mildew is caused by a draft or a chill, and the very thing to produce it would be to open the side ventilators and at the ridge. It would be absolutely impracticable to do this and avoid mildew for nine or ten months in the year. There is nothing like plenty of ventilation; it need not be used carelessly, but have lots of it possible and let it be continuous along the ridge.

I can scarcely believe that on a bright day in winter, with the mercury outside at 15° and the heat shut off, a house would go up to 90°. If it went up to 80° why was there not a crack of air put on? One inch along the ridge would have kept the temperature down and certainly not chilled the roses. Experienced rose growers will I think agree with me that they are as often guided by their own sense of the temperature as they are by the thermometer. By that I mean if you walk into a rose house and you can feel a draft coming down on the plants you will close the ventilators, even if the thermometer is above the orthodox mark. Shading is seldom resorted to for roses at any time. Perhaps the first month after the young plants are on the bench a little shade is beneficial, but at no other time. I shall

always remember looking over a large establishment in Baltimore a few years ago. It was the month of March. There were seven or eight rose houses built on a steep side hill; the houses were all attached. The gutters were supported by posts, but no partition walls. When ventilation was put on the lowest house and the highest house or the one furthest up the hill there was naturally a strong draft running up through every house. The crop of mildew was something immense, and a clean bud or leaf could not be seen. I was asked the cause, and gave my opinion, but as it was ignored I became clam-like. All gardeners who have grown exotic grapes under glass know that mildew on the vines can be produced quickly by bottom ventilation.

WM. SCOTT.

Bedding Plants at Washington.

Col. John M. Wilson, Superintendent of public buildings and grounds, who has supervision of our parks and reservations is a lover of flowers, and takes great interest in beautifying and improving the public grounds about the city, though from a lack of funds at his disposal he is often hampered in his work, and frequently the grass is allowed to grow during the months of May and June until one would think that some of the parks were meadows. Congress in making the appropriation for the parks usually stipulates the amount to be expended on certain reservations, and at the same time stipulates the amount of improvements to be made and often reduces the estimate for said improvements from one-third to one-half. From this cause, something must go undone and it usually happens that the grass is allowed to go two or three months without cutting that the amount of money which would be required for that purpose may be used in planting the beds in these reservations. One can hardly estimate the amount of labor required to get up the plants and plant the many beds which go so far toward beautifying the public grounds in our city.

Mr. Geo. H. Brown, the able superintendent under Col. Wilson, is a very busy man from September until July. Very few people know anything of the magnitude of the establishment known as the "Propagating or Monument Gardens" under Mr. Brown's charge. There the plants and flowers are grown for decorating the large East Room of the Executive Mansion for all diplomatic and public receptions and entertainments during the social season.

At the close of the society season the establishment is immediately transformed into what might be termed a gigantic propagating establishment. All roses, carnations and other winter blooming plants are torn out to give place to soft wooded bedding plants. It is safe to say that there is no commercial establishment in the country where every inch of space is put to better use. Hanging shelves are erected, boxes of seed sown and placed on them in order to get them close to the glass, as soon as they are up they are potted into thumb pots and placed on the same shelves, while the benches are crowded with stronger growing plants such as geraniums, coleus, acalyphas, acyranthes, etc. I doubt if there is a florist with the same amount of glass who turns out as many plants in a season or could do so if he had the sale for them. One day last April I was over there with a visiting florist and he expressed himself as having no idea that the government had such an establishment.



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He said that in all his travels, and he had traveled considerable, he had never seen such a sight, everything clean and healthy; and such thorough system.

To give an idea of what 'Uncle Sam' is doing in this line to beautify the Capitol city the following is a list of the plants grown and put out this spring:

Names.	No. of Var.	No. plants.
Alternantheras	4	70,648
Achyranthes	1	5,273
Abutilons	2	2,046
Amaranthus	1	3,000
Acalypha	2	5,450
Anthericum	1	1,558
Atriplex hortensis rubra (new)	1	172
Begonias	2	2,400
Cannas	20	1,281
Caladiums	16	887
Coleus	5	90,537
Chrysanthemums	65	12,000
Cupheas	1	2,254
Cerastium	1	312
Cannabis	1	420
Carduus	1	336
Euonymus radicans var.		24,000
Eranthemum	1	1,600
Eulalias	2	1,070
Erythrina	1	143
Fuchsias	11	580
Geraniums	7	26,251
Genista	1	600
Iberis	1	1,400
Magnolias	1	1,767
Nasturtiums	1	300
Poppy	2	620
Panyrus	1	1,000
Petunias	2	2,300
Phlox	1	1,764
Pandanus	1	250
Ricinus	1	300
Salvias	1	5,101
Stevia, variegated	1	2,525
Sunflowers	1	420
Solanum	2	618
Torenia	1	2,100
Vinca (annuals) rosea and alba		15,324
Verbenas	1	360
Wigandia	1	300
Yucca	1	4,300
Zinnias	2	750
Miscellaneous tropical and subtropical plants		1,500

Total number of plants put out 314,233

Mr. Brown started his force planting out geraniums May 4; they were 23 days in doing this planting, including replanting beds where plants were stolen (and this was no small item, for hundreds of plants were pulled out of the beds), also in replanting Golden Bedder coleus and vincas, that were killed by the cold weather in the second week of May.

It is Mr. Brown's intention to get out of the stereotyped form of bedding which has characterized the parks of our city for many years, in fact since the beginning of bedding in the public grounds, and instead of carpet bedding to go more into tropical and sub-tropical herbaceous and perennial plants. In former years they grew cetheverias by the thousands; this season they have planted none. It will require several years before Mr. Brown will be able to accomplish this idea, but he intends to make a good start this fall. They will purchase a number of New Holland and New Zealand plants, both herbaceous and perennial, and grow them in pits and frames which they propose erecting this season. In order to make this form of planting effective they will have to do away with the regular forms of beds now used, irregular forms, curved lines, etc. The plan is well mapped out, and if Mr. Brown is allowed to carry it into effect it will add much to the beauty of our parks. Next season they will only grow about half the quantity of soft bedding plants grown this year, and lessen the quantity each year until the new departure is complete; yet they do not intend to do away with all soft bedding plants, for in some places they will be compelled to decorate with them. They have a number of beds of fuchsias in shaded places in one or two of the parks which are looking remarka-

bly well and attracting the attention of the public. They also have some fine beds of tropical plants which are very attractive, noticeably among them the one in front of the north or main entrance to the National Museum; this is a large oval bed filled with palms, araucarias, dracænas, crotons, pandanus, etc., the plants being massed with a center about ten feet high, gradually sloping to the grass, edged with Strobilanthes Dyerianus. This is probably the most attractive bed in the public ground, having a very prominent position, the Museum forming a good background.

REYNOLDS.

Wages Again.

EDITOR AM. FLORIST:—With a great deal of interest I have read the articles in the FLORIST concerning work and wages. But there is one thing which I have not seen discussed fully up to this date, and that is the following: Suppose a man has 50,000 square feet of glass. He grows roses, carnations, chrysanthemums and a general line of miscellaneous plants. He has no regular foreman, but has men over the different departments, viz., roses, carnations and chrysanthemums; one of these men does all the propagating also. These men are responsible for everything that is done in their houses and are supposed to know their business, and grow cut flowers for exhibition and the general market with success. Now after having proved ability in that line, what in your judgment should such a man be worth? I know that wages differ a great deal in different localities, but I think that there ought to be a better understanding as to what a good man ought to be worth. I hope that some brother florist will give

us a little light on this subject, or at least open a little discussion so as to get the opinions of various ones of our learned men, and oblige.

SUBSCRIBER A.



Carnation Notes.

The Bulletin No. 94 sent out by Prof. Geo. Atkinson of Cornell University treats fully upon the matter of damping off of carnations and other cuttings in the sand. I notice that the remedies he suggests are such as have been suggested in this column during the past few years, but I should advise every reader of the FLORIST to secure a copy of this Bulletin; read it carefully and note the causes for one of the most troublesome points in carnation culture.

The point of decaying vegetable matter around the plants is well taken and it is to this point that I have endeavored to draw your attention when preparing your soil for future use, especially when stable manure is used. The manure should be well decomposed that no fermentation takes place after the plants are set in the fall and in preparation it is much better to have a thin layer often turned outside than by piling the soil several feet high. There is no better way to get air (a most potent and necessary factor in the decomposition of matter) into a body of soil than by the use of the plow; then again the plow will do the work of ten men, quite an object not to be lost sight of.

If you have sufficient room and you now have your soil in a high pile, level it off and work it from now until put in the house with the horse. Do this work if possible bi-weekly and see if the results do not warrant the work. If you intend using any commercial or chemical fertilizers or bone leave them out of the soil until the last turning. If wood ashes are used mix with soil now, using only the very best unleached. If night soil is used with the soil take it fresh from the vault and spread lightly on the soil and plow under.

Plenty of air slacked lime should now be scattered through the houses under the benches; worms and insects have a great dislike to lime. Before planting inside the bars, rafters and in fact every part of the house should be as scrupulously cleaned as your dwelling house; turn on the hose where you have a heavy pressure and use a force pump where the pressure is light and wash out every crevice and corner.

CHAS. H. ALLEN.

New York.

Business is as dead as it can be, but nobody looks for business the first week in July, and so the situation is accepted gracefully, even by the sweet pea growers, whose lot is so discouraging that no one could blame them were they to organize a lodge of sorrow. Sweet peas come in by the bushel and form little mountains of white and pink on the wholesalers' counters, and for the small sum of half a dollar one can buy a whole mountain. There are no buyers for anything, except a few Greeks. The great army of these gentry has faded away no one knows where to, and the few that remain par-

take of the general listlessness. Carnations are their great hold. They buy an armful for a dollar or two and then carry them away on their shoulders, a weary burden. In the new order of things in this now highly moral city even Sunday trade in carnations is fraught with uncertainty and risk, so the wholesalers find it useless to keep open on Sunday even if they dared, for there are no customers. Retailers and wholesalers both have reduced the help down to summer quota. Two of Hession's clerks, Frank Suplee and Jos. Featherstone, have taken a voluntary vacation for the summer and have opened stands at the Oriental and Manhattan Beach hotels, Coney Island, thus combining business and pleasure. At the same time some of the wholesalers' clerks are watching with anxious eye the progress being made by the new cut flower combination and speculating on its ultimate effect on their welfare, but generally arriving at the same conclusion, "Oh, there'll be plenty of stuff for everybody to sell." The new enterprise goes steadily on, meanwhile, in its preparations and its promoters expect to open for business somewhere by September 1 at the latest. A liberal charter has been secured from New York State and officers have been elected as follows: President, Ernst Asmus; vice-president, J. N. May, secretary and treasurer, Paul M. Pierson. A meeting of growers has been called for July 12, when the plans of the company will be publicly stated. The daily papers have had accounts more or less exaggerated of the new organization and the public have been treated to some wonderful chapters of the inside history of the flower trade. The *Press* on Sunday last stated that the "Harrisii lily was originated by Friend Harris, a Philadelphia Quaker." Another wholesaler, Michael A. Hart, has shown his indifference to the agitation by going away on a tour to Ireland. He may stop off at Europe on the way.

The improvement of the city horticulturally goes on. The park commissioners have selected a site for a palm garden in the northeast corner of Central Park. It will cover an area of 2,000 by 1,000 feet. The extension of the city limits has brought in what is the largest park in the state, Pelham Park, containing 1,750 acres and fronting on the waters of Long Island Sound. Brooklyn, too, is making progress and park improvements costing \$2,250,000 are contemplated.

The friends of Mr. E. Koffman, the Smilax King, will be sorry to hear of the death of his mother, which occurred last week. The father of Herman Dryer of Woodside died on June 28, aged 73 years.

W. L. Swan will sail for Europe on July 13.

Boston.

On Saturday, June 29, was initiated the series of regular weekly free exhibitions at Horticultural Hall. The hall was well filled with creditable displays of seasonal flowers and the usual large attendance was noted. Delphiniums were remarkably good. They were shown by J. S. Fay, E. Sheppard, N. T. Kidder, John L. Gardner and T. C. Thurlow. W. H. Cowing made a radiant display of Shirley poppies, sweet williams and English iris. English iris was also shown by Mrs. M. S. Walker and Japan iris by E. Sheppard, N. T. Kidder, John L. Gardner and T. C. Thurlow. An aftermath of roses came from J. S. Fay, Jas. Comley, Mrs. J. W. Clark and Hugh Williamson, gardener to W. W. Astor. J. W. Manning, Harvard Botanica

Garden and Shady Hill Nursery made their usual superb displays of hardy herbaceous flowers, all named, in large vases, and no department of the exhibition was more highly appreciated. The only orchid staged was a well flowered specimen of *Brassia verrucosa* from Jos. Tailly & Son.

Boston's great annual public school festival was observed on June 29, with appropriate exercises and the 2800 bouquets supplied by seven or eight of the city florists were distributed by the mayor to the happy graduates as they passed in procession across the stage at Mechanics' Hall. This occasion is accepted by the florists as the practically closing up of the season here, and by mutual agreement the doors of all the florist establishments in the city, wholesale and retail, will be closed daily, Saturday excepted, at 5 p. m. throughout July and August. In the meantime cash for current expenses will come out of the bank rather than over the counter. The most abundant flowers in market at present are candidum lilies from outdoors, carnations and sweet peas. The two latter are the main stock in trade of the street fakir just now.

Lawrence Cotter has completed the planting of 11,000 roses and 1,800 chrysanthemums and the campaign for the winter of 1895-96 may be said to have now fairly begun.

S. S. Pennock of Philadelphia gave us a hurried call one day last week.

Chicago.

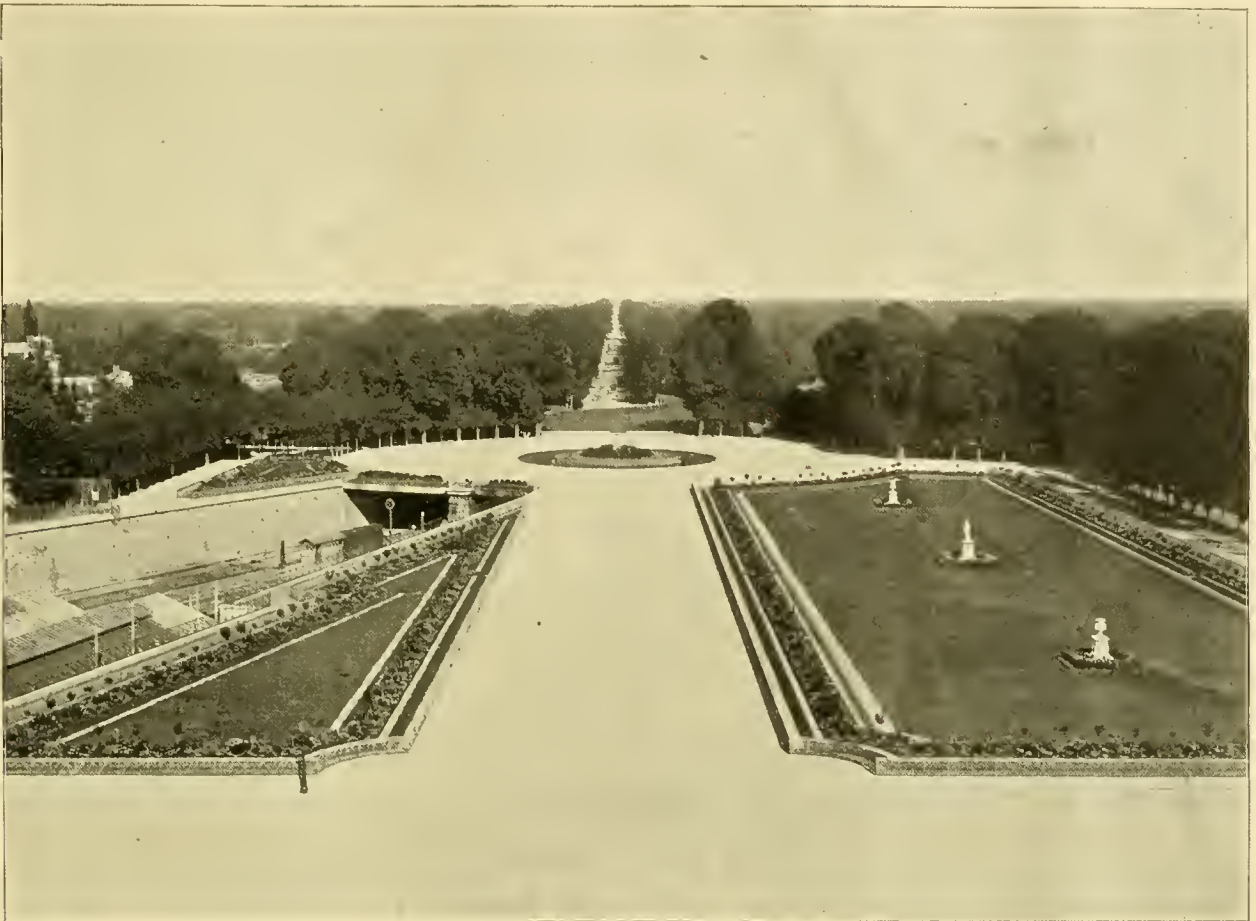
The past week closed the cut flower season. Most all the dealers, both wholesale and retail, as well as the grower, are closing their books and striking a balance for the season's business just past.

Has the trade been satisfactory and does the balance show on the right side of the ledger? Take it from the grower's standpoint and there is little doubt that the past season has proved a satisfactory one, and a marked improvement on the preceding year. Prices have certainly ruled higher and with few exceptions were little subject to fluctuation. In this respect the season has been a remarkable one; we cannot recollect a season in late years where prices maintained a more even level than was the case this year between the Christmas holidays and Easter. In fact the market was remarkably steady commencing with the latter part of November, and, barring a break of a few weeks duration immediately after Easter, held steady until the closing days of June, which latter was marked by the greatest scarcity of stock and most phenomenal demand ever experienced at that season.

Prices of flowers of every kind taken collectively have been considerably higher than those of '93 and '94. The reason is not wholly an increased demand, however, but in a measure was due to a shortage of supply, notably at the mid-winter holidays and during January and February.

While a few of our principal rose growers report an increased cut from a given amount of glass, yet the majority are agreed that the gross amount of flowers produced was less than in other years. But the net results show that the fewer number of buds brought returns at more remunerative figures.

The local retail dealers on the other hand don't consider the past season as a specially profitable one. A few of them report an increased business, but by far the larger number had to be content to



THE PARKS OF PARIS.

be able to hold their own, while still others did a less amount of business than in former years.

The books of the wholesale men and commission dealers will probably show a slight increase in the aggregate amount of sales. All these men are pretty well agreed that the gross amount of stock handled of every description, considering the increased area of glass, was less than last year, the shortage being more noticeable in roses and bulbous stock than in other lines.

Making due allowance for a shortage in crop at times how do we account for the active demand and comparative high prices of stock when the leading retail men report a rather slow business? This we may trace to at least two different causes. One is owing to the fact that the trade in cut flowers is not nearly as much centralized as was the case formerly. The large downtown stores have in a majority of cases only been able to hold their own, some actually losing ground, owing to the fact that dozens of small dealers annually spring up in the residence portions of the city. These small places are not confined to the high class neighborhoods either; we find them everywhere, often doing a thriving business in localities where least expected. All these concerns, no matter how small, take their quota of stock. Then again there is the constantly increasing demand from out of town points, which is a considerable item in the grand total of yearly sales. In this respect our market is more favorably situated than any other on the continent, and the shipping trade instead of

decreasing, as has been the case in some of the principal eastern markets, has been steadily growing to such proportions that it has become quite a factor in maintaining prices at times when the market would inevitably have gone to pieces if depending on home consumption only. True, the aggregate amount of stock consumed at home is far larger than that shipped out, still this demand acts often as a safety valve, and must be regarded as a very important feature of the market.

How to cater to this part of the trade without injury to the home trade has been a problem which as yet has never been solved to the satisfaction of both parties at interest. The country dealer is generally of opinion that the best stock is picked up by the local men and that he has to be content with the leavings, for which he is taxed the highest market price. Our brothers at home, on the other hand, claim that the cream of the stock is reserved for shipping orders, and that the dealer outside of the city is the favored party in every respect. Be that as it may, the fact remains that as a great distributing center our market is fast assuming a commanding position.

In looking over the record of the past season it is a vital question for the grower what stock or variety has paid the best, and judging by past experience which will be the most profitable to grow?

Perhaps it matters little whether we give our attention to roses, carnations, violets or any other stock so long as it is grown well. The past season has illustrated more forcibly than any preceding one that high grade stock is in constantly

increasing demand and few dealers will handle any other if the former can be had. Of course in a season of scarcity everything goes, but let there be a slump and poor stock is simply nowhere.

Commencing with roses, which variety is in best demand? Unquestionably the Beauty stands at the head of the list. In our market at least it has not as yet been overdone, in fact with the exception of here and there for a week at a time the demand has been in excess of supply. This in spite of the fact that the output has been largely increased year by year. But is there any money in growing them? This is a question many a grower has asked himself, and which he generally answers in the negative. A few have made a decided success, the majority a failure, either total or partial. The consensus of opinion among our local growers seems to be that unless this rose is grown on a large scale there is little money in it. Hence the field in this direction has been largely in the hands of two or three men, and to judge by the present outlook will remain so for the coming season.

Among the smaller roses Meteor has occupied a prominent position and its popularity will doubtless continue. It certainly is the best all around red rose in the market to-day, and according to the statements of a number of growers has proved the very best paying variety. The past season's stock taken as a whole was greatly improved in quality, both size and color. The requirements of this rose are evidently much better understood by the grower of to-day than was the case

formerly; this is more particularly true as regards the producing of a good color in the dull days of winter. Next season will see this variety in larger quantity than ever. The Reinberg Bros. are growing it on a large scale, about 14 houses being planted.

Of the pink varieties Bridesmaid proved the most popular last winter, the demand always being far ahead of the supply. To judge by present conditions, however, the market will be amply supplied next season. Bridesmaid is being grown on a large or small scale by everybody in the business, and nine times out of ten has supplanted Mermet entirely. A few long-headed growers, though, have not discarded the latter entirely, of which we shall be thankful without doubt when the season opens. Mermet for a year or two may be somewhat neglected, but even at present when well grown is sought after by many flower buyers, and its comparative scarcity a year hence is apt to make it valuable.

La France, once so popular, is sadly neglected these days. The demand for an extra choice quality is almost nil. This is illustrated when the market is short. Maids are picked up first, Mermets next, and La France is generally accepted only if nothing else can be had in pink. The few growers who still grew it on a small scale last season will discard it entirely, at least as a winter rose. For summer flowering, however, La France is one of the best and should not be entirely neglected.

Cusin, which was seen in a few establishment last winter of mediocre quality, will be grown the coming season at but one place so far as can be learned now. This is at Stollery Bros. With them it proved quite satisfactory, but others who have tried to grow it for several seasons have given it up; not but what the rose is a good seller on the market, but our soil, or some other condition, don't seem to suit this rose, at least none have made a success of it to any marked degree.

Duchess of Albany has almost entirely disappeared, which nobody seems to regret.

Perle still holds her own and if well grown must still be regarded as a paying variety. There will always be a demand for a good yellow rose, and if the grower will give it as careful attention as he does other roses there is no doubt it will pay him.

In white Bride still stands peerless. Its general utility for all purposes makes it one of the most desirable varieties. The average quality of this rose the past season was quite satisfactory, but there is still room for improvement, and next year we hope to see the high grade quality in a large majority.

Of the newer varieties, those that have been tried on a small or larger scale last season, such as Kaiserin, Testout and Whitney, we shall speak later.

An interesting native plant now passing out of bloom in the hardy garden at Lincoln Park is *Cocopsis lanceolata angustifolia*. The flower is a trifle smaller than the type but very beautiful and is borne on a very long stem, the plant being quite dwarf in habit. The fact that it begins to bloom a full month earlier than *lanceolata* will make it of special value. The plants at Lincoln Park are from specimens found by Mr. Higgins near the lake shore some 20 miles north of the park, their number having been increased by division.

The first of a series of five games of baseball between clubs selected from the wholesalers and the retailers will be called

at 3 p. m. to-morrow (7th inst.) at Garfield Park race track in the center field. All florists and their ladies will be welcome. The membership of the teams is as follows:

WHOLESALE CLUB.

Webb Randall, 1b.
Wm. Lynch, ss.
Chas. McKellar, cf.
Al. McKel er, rf.
L. P. Kelly, lf.
Chas. Balloff, 2b.
Carl Thomas, 3b.
Geo. Scott, c.
Ed. F. Winterson, p.
Sam Ku ens, extra
J. B. Deamud, extra
Ed. Winterson, Captain.

RETAIL CLUB.

Jim Cuitan, c.
P. J. Hanswirth, 2b.
Walter Kreitling, p.
Joe Beaver, 3b.
Gus. Balloff, lf.
Joe Curran, cf.
J. McAndrews, ss.
Jack Miller, 1b.
Ed. Couley, rf.
Walter Kreitling,
Captain.

Naturally the market has changed since last week, as the commencements are now over, but a steady demand keeps up, and as the supply in roses and carnations is limited this stock sells out quite clean. Beauties are still scarce and in good demand; the best sell for \$2 a dozen. Other roses are 2 to 3 per hundred for good average stock, and 4 for fine Meteor and Kaiserin, some selected Brides also selling at the latter figure. The stock of good Testout is limited, but this rose is a great favorite. Carnations are decidedly scarce, and the best sell for 1 to 1.50, certainly a good figure for July. Medium grades brings 50 to 75 cents.

All sorts of outside garden flowers seem to sell well, though not at high prices. Some fine gaillardia sells briskly at 35 cents; coreopsis and ox-eye daisies are plentiful and good sellers at 25 to 30 cents. Sweet peas are suffering severely from drouth, and the stems are very short; they are worth 15 to 25 cents. The few dark varieties sent in sell but slowly; the demand continues only for white, pink, and pale purple or lavender. Fine auratum lilies are seen, but they go slowly for 8 per 100. Most florists in localities where there is no city water are suffering severely from drouth; stock in the fields is suffering greatly, and unless a good rain comes soon indoor plants will suffer too, as the water supply is giving out.

Recent visitors: Mr. J. G. Hancock of Hancock & Son, Grand Haven, Mich.; Geo. D. Taylor, Kalamazoo, Mich.

Philadelphia.

At the second annual school commencement at Wyndmoor Thursday last two of the neighboring florists' children were prominent as graduates, and also as taking part in the exercises, John Burton Jr. having in hand the "Class History" and Jennie Lee Lonsdale the "Valedictory." The school room was handsomely decorated, the stage being adorned with magnificent specimens of the arca and other palms, and every available space was occupied with the gorgeous Iris Kämpferi, making it altogether a memorable event both for parents and the children. Messrs. Burton and Lonsdale, both of whom are school directors, had charge of the decorations.

There was a good attendance at the July meeting of the Florists' Club held last Tuesday evening. Matters in connection with the convention was the chief topic, and all indications point to a good representation from this city. The various committees reported progress. The report of the transportation committee caused considerable discussion. An endeavor will be made to have the entire eastern delegation go by the same route. Mr. Westcott has this matter in charge for the Philadelphia club and promises that those in his charge shall be neither dry nor hungry while en route.

Mr. Lonsdale looked forward to the meeting with a great deal of pleasure,

and said he had no doubt that it would be one of the most interesting and instructive ever held by the society. He said that Mr. Hamilton Gibson's illustrated lecture on the insect fertilization of flowers would be worth a visit to Pittsburgh alone, not mentioning the many other interesting features. Mr. Craig said that aside from the convention there were very many places of interest to see, prominent among them being Mr. Bennett's department at Schenley Park, where the visitor would see probably the finest ranges of greenhouses in this country, if not in the world. Under Mr. Bennett's management this range of glass had already become famous; and at the time of the convention it would contain much to interest the practical florist.

There was considerable discussion on the report of the club room committee, and some doubt expressed as to the convenience of the club's quarters in the new hall. From an inspection of the plans and the building, which is now up to the level of the first floor, the portion set apart for the club is all that could be desired. The corner stone, by the way, is to be laid in a few days, and will contain among other things a lot of seeds; these will no doubt be tested by horticulturists some day in the distant future, and give them an idea of what their forefathers considered beautiful.

Mr. Keppler of the New York Club was present, and it might be well to say to the gentleman who keeps a certain object of interest by his elbow that if this said object settles finally in New York State it will cost a Buffalo man quite considerable for car fare every time he desires to admire its graceful form.

Albert Knapper, of Frankford, exhibited some clematis flowers of choice varieties. Mr. Knapper makes a specialty of this flower, and is very successful in increasing them from cuttings.

The American Dahlia Society met last week and partially arranged a schedule for their fall exhibition; their membership is increasing and considerable interest is being taken in their work by amateurs.

Business for the season is fair and some kinds of flowers, notably white roses, are scarce. The prices of roses range from \$1 to \$4 per hundred; carnations, 25 cents to \$1; sweet peas, 25 to 40 cents; valley, 3 to 4. K.

Buffalo.

The business has really got down to midsummer quietness. Mud turtles and water lilies are now an attraction in some of the florists' windows, and when you see mud turtles you can be sure that summer is here. A look in at D. B. Long's commission house a few days ago showed that there was yet no lack of first class carnations. Wise Bros., of East Aurora, take the cake for carnations, not only now but at any time. The usual fatigued look is on all the tea roses you see this time of year, although there is a better supply than usual. American Beauty is still the rose in greatest demand, and a very profitable price they bring. W. J. Palmer & Son have one large house planted in April just for summer cutting, and are delighted with the result. Your correspondent did that last year with great results, and found it paid four times as well as a house of mums. Liliun auratum, and the sweet scented album and rubrum are now in our store windows, and come in very useful.

J. H. Rebstock has had a fine show of gloxinias for several weeks past, and they have sold well. Mr. Stewart, whose store was on Main street in the Kremlin block,

has closed up. I have not heard there were any financial difficulties, merely retired from business. Mr. Wm. Beley was over to see us a few days ago, and says he never sold out so cleanly any year as he has the past season. When asked if he would add to his glass this year he said, 'No, I don't feel warranted in doing that, but I shall put a cellar under my residence this summer, which will save me a large ice bill, and that's improvement enough for one year.' Mr. C. F. Christensen, who does a large retail trade with our aristocratic Delaware avenue people, is also well pleased with his volume of trade. He made a specialty this year of 1,000 standard fuchsias, and exceedingly well grown they were, but they did not take quite as he expected. He thinks very properly that the country was hardly ready for them. In 10 or 20 years they will be appreciated.

Mr. Farnham, of Corfu, who grows carnations for the Buffalo market, as well as being a large farmer, lost by fire a barn, several tons of hay, a valuable team, a cow, implements, etc. Mr. F. told me he was not more than one-half insured.

The Florists' Gun Club team is beginning to practice and will have a shoot weekly until their departure for Pittsburg. Some of the bowlers of the club are turning out stars, and almost champions of this much bowled-up city, but the make-up of the team will be ragged and uncertain. W. S.

Montreal.

The annual exhibition of the Canadian Pansy Society took place June 29 on the grounds of Rockland House, the residence of Alfred Joyce, Esq., at Outremont. The society is to be congratulated upon the choice of site, as a more charming spot for a flower show could not easily be found; the grounds in themselves are worth half a day's journey to see, with its acres of beautiful lawn, scores of flower beds of every form of decorative plant in cultivation in this country, from the geometric carpet bed to the herbaceous border. A very large collection of herbaceous plants are seen here. We made particular note of the two beds of tuberous begonias, which were extra fine; a bed of dwarf heliotrope bordered with begonia Vernon attracted much attention, and a bed of Verbena venosa bordered with dwarf yellow coleus was very effective.

The tables for the exhibits were laid under the shade of some large maples which skirt the lawn in front of the house. The competition was not as keen as might be, but the society is yet only in its infancy, this being its second annual show. The two tables of hardy herbaceous flowers were very much admired. The list of prize winners is as follows:

Twelve pansies—selfs: 1st, W. O. Roy of Mount Royal Cemetery; 2nd, Frank Roy, superintendent M. R. Cemetery. Fancies—1st, Lachlan Gibb, Esq., city; 2nd, W. M. Ramsay, Esq., Outremont. Eighteen pansies—show and fancy: 1st, Geo. A. Robinson, gardener of Rockland House; 2nd, W. M. Ramsay. One bloom (pausa): 1st, W. O. Roy; 2nd, Frank Roy. Six yellow and six white ground: 1st, Frank Roy; 2nd, W. A. Roy.

Twelve outdoor 10ses: 1st, Rob't Reid; 2nd, G. A. Robinson.

Collection hardy herbaceous flowers: 1st, G. A. Robinson; 2nd, F. Roy.

A very pleasing event took place last Monday evening at the semi-monthly meeting of the club, when the members presented the secretary with a very handsome secretaire, it being the eve of his marriage.

The date for the annual picnic has been fixed for the 17th of July. It will be held at Isle Grosbois, a charming spot nine or ten miles down the river. The boat will

leave the Jacques Cartier wharf at 8 a. m. sharp. An extensive list of games has been gotten up, with valuable prizes attached.

One of our oldest and most respected members, Mr. John Doyle, has been visited by a sad affliction in the death of his oldest son, John, a promising young man of 23 years. Mr. Doyle and family have the sympathy of all who know him. BEAVER.

St. Louis.

Business the past week in the cut flower line improved just a little over last week, and flowers continue to be plentiful. Good roses are the only scarcity just now; prices are about the same as last week.

Park Commissioner Ridgely returned yesterday from the east, being absent about two weeks, and announced that he would appoint the new superintendent of public parks this week; the opinion of all the florists is that "Billy" Pape will be the man.

Thomas Summerville of Bunker Hill, Ill., was a recent visitor. Mr. Summerville is talking of locating in St. Louis and growing cut flowers for the market.

The second annual picnic of the St. Louis florists will be held at Meramec Highlands Wednesday, July 24. The committee consists of Alex. Waldbart, J. J. Beneke, C. A. Kuehn, J. W. Kunz, Chas. Young, Rob't Beyer and Dr. Helwig.

Park Commissioner Ridgely sent in his first batch of appointments to the mayor's office yesterday, and they were approved by the mayor; they were as follows: S. Plugger, O'Fallon Park; Chas. Tacker, Gravois Park; John Christ, Gamble Place; Peter Gundlach, Hyde Park; Jno. Jasper, Jackson Place; Theo. Hovelman, Laclède Park; Louis Siegmund, Lyon Park; Adam Kohl, St. Louis Place No. 1; August Mohlenbrock, St. Louis Place No. 2; Chas. Wiegand, St. Louis Places Nos. 3 and 4; and Herman Von Ahrens, Benton Park.

At the Bowling Club last Wednesday night the Japs took the Chinese into camp to the tune of 2379 to 2337 in three games. The captain of the Japs did not show up, but the Japs won just the same. Fred C. Weber of the Chinese team made the highest score, 230. The next highest was made by C. Beyer, he making 226, 213 and 201, his total for three games being 640. A. Beyer made 211, 192 and 209 in three games, his total being 612. That's what you call good bowling.

THE SCORE.

JAPS.				
Names.	1	2	3	Totals
J. J. Benecke	177	129	163	469
C. A. Kuehn	171	175	165	511
H. Young	142	119	169	430
C. Beyer	213	226	201	640
F. Fillmore	102	104	123	329
Totals	805	753	821	2379

CHINESE.				
Names.	1	2	3	Totals
J. Young	133	152	162	447
Rob't Beyer	211	192	209	612
Fred Weber	129	230	147	506
D. Helwig	—	162	191	353
E. Schray	145	152	119	416
Totals	621	688	828	2337

The same teams roll Wednesday night again. J. J. B.

Toronto.

"Fair with showers in a few places" is the best old probz can dole out to us these days, and the situation remains practically unchanged. Some places round about us have had decent sized showers but "Toronto the good" only gets the tail ends, no doubt it is a case of "whom the Lord loveth be chasteneth." We should like about twelve hours steady rain though.

I enclose you herewith a florist's little account for flowers supplied at the funeral of the late premier of Canada. We don't like to see good men die but if a few more premiers were to be taken from us there might be a possibility of seeing a few of that *rara avis* the millionaire florist. Here is the little bill:

2,000 roses at 30c each	\$600 00
4,000 carnations at 10c each	400 00
3,000 ferns at 2½c each	75 00
500 Lily Harrisii at 37½c each	177 50
3,000 Roman hyacinths at 5c each	150 00
3,000 yards smilax at 25c	250 00
125 paper white narcissus	11 50
Wire designs	50 00
Boxes for designs	25 00
Beams for carrying designs	36 00
Time and expense	100 00
Expressage	50 00

This brings the total to \$1 925 00

Some of the florists report that there is still considerable business doing in cut flowers, though it is mostly in outdoor stuff and there is not much money in it. Still it keeps the pot boiling. The plant trade taken as a whole during the late defunct season was a decided improvement on the corresponding season of last year and very little stock was left over.

Already the question is being asked "Are you going to the S. A. F. convention this year?" The replies are as yet uncertain but I hope to see a goodly contingent from here this year. The expense has been the drawback of other years, but the distance to Pittsburg from Toronto is not great and twenty or twenty-five should be able to get a reduced rate. Why not join with Buffalo and charter a car from there? E.

Cincinnati.

Several good rains during the past week have broken the protracted drouth and as a result vegetation has put on a brighter appearance. Carnations have derived great advantage from it, as they were commencing to feel the effects of the lack of moisture. All plants intended for stock have improved likewise. It has within the last few years come to be recognized that it is unsafe to plant any stock out that is intended for future use, and trust to the rains to carry it through the season, so that the majority of the florists are prepared to water all stock planted out, and those that are not so fortunately fixed at present are making improvements in that line.

The quality of cut flowers coming to this market is now very poor. All kinds of roses are small and off color. Beauties are done. Kaiserin is the best white, being larger and better in color than Bride, which rose seems to burn very easily from the sun these hot days. La France has such a washed out, faded appearance that it is hardly salable.

Carnations hold out fairly well, pink and white being the principal colors. Sweet peas are in great abundance and better this season than ever. Every other grower has a lot of smilax he would like to cut out, and the price for any quantity is very low. Roses are selling at from \$2 to \$4, carnations 75 cents to \$1, sweet peas 40 to 50 cents, smilax 15, asparagus 50. Business is very light, what little there is being principally funerals and a few late weddings. The growers are still busy planting their houses; some have almost finished. Bridesmaid is being largely planted here in preference to Mermet.

The Florists' Club is getting ready for its second annual picnic, which will be held at Woodsdale Island the middle of July. The growers are already challenging the store men for a game of ball. We have some very good players on both

sides and expect to have a good game. We also extend an invitation to all brother florists to join us on this occasion, and will insure one and all a good time.

Osgar Ziegner is building five new houses on Colerain avenue. He will use three of them for cut flowers and the balance for pot plants, heating with hot water.

Frank Snider, now in the employ of Wm. Bolia, will also erect five houses 64x20 in the highlands back of Newport, to be heated with hot water. P.

Rochester, N. Y.

Flowers of all kinds are coming in very abundantly, and may be had at your own figures if bought in quantity. First class roses are very scarce, and would bring fancy prices if they could be had; they are getting smaller every week. Carnations are very plenty and sweet peas the same, and sell at any price, but still there is a moderate demand for most all sorts of flowers, and the store hands are kept fairly busy considering the advanced season. Lawn and dinner parties require some flowers, and although prices paid on such occasions in summer can not be compared with those of midwinter, something at least is made by the lucky party who gets those orders.

Plant trade is entirely out of the way now, and great quantities of bedding stuff has been disposed of, more than at any other season as long as I can remember, but as prices were way down the growers had to be satisfied with very small profits.

In last week's report it was stated that the E. R. Fry Florist Co. had been incorporated with a capital of \$20,000, but this is a mistake; the amount is \$2,000.

J. B. K.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By a first-class rose grower and florist, 18 years' experience. M. SCHLAU, 1055 Belmont Ave., Chicago.

SITUATION WANTED—By a first-class rose grower and cut flowers of all kinds: 22 years' experience. Address ROSES, care American Florist.

SITUATION WANTED—By good all-round florist, 5 years' experience, in commercial or private place; sober, reliable. Address W. care Am. Florist.

SITUATION WANTED—By young lady in florist establishment; 5 years' experience; thoroughly competent. References. Address MISS IDA C, care American Florist, Chicago.

SITUATION WANTED—By a practical florist; well versed in seed business, vegetable, landscape gardening and greenhouse work; married, German, and 5 years in this country; state wages. OTTO HORT, Meridiao, Miss.

SITUATION WANTED—By well experienced florist and landscape gardener; 18 years' experience in greenhouse and landscape gardening; ethnically, Swiss; age 35, married, no children; good references. JOHN SPALINGER, Huntley, Ill.

SITUATION WANTED—By a thorough, practical florist and gardener; commercial or private place. A No. 1 rose grower. Carnations and violets a specialty. Good designer. Age 35. Best references. G. W., 50 Laurel St. (Lazonda Ave.), Springfield, O.

SITUATION WANTED—By stogie Englishman; 25 years' experience with orchids, stove, greenhouse and flowering plants, in private and commercial places, landscape work and floral decorations, and capable of managing a first-class all round place; steady and sober. Address care Am. Florist office, 67 Bromfield St., Boston.

WANTED—1000 violets plants—small plants preferred. LEWIS HENDERSON, Omaha, Neb.

WANTED—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agt., 6122 Oglesby Ave., Chicago.

WANTED—To lease or buy a good greenhouse establishment, well located, wholesale or retail. Address full particulars to F. W. NORTH, Fosterla, O.

WANTED—Capable gardener, single man, for care greenhouses, orchids, palms, garden, lawn, cow, etc. WM. H. CHADWICK, 132 Rialto Bldg., Chicago.

WANTED—Perles, Bridesmaids and La France, 1000 of each from 2 1/2-inch pots; must be good stock and cheap. Address R. R. care American Florist.

WANTED TO RENT—Florist store with two or three greenhouses in good location. Must be in good condition. Address G. M., care American Florist, Chicago.

WANTED—Stogie young man who understands growing roses, carnations and violets; must be able to come at once; state wages. Address W. H. K., Langdon, D. C., box 6, Suburbia Washington.

WANTED—A worklog foreman (married) to take charge of a 40 acre orchard farm; also a small greenhouse that is on the place. Must be a practical man who understands the care of fruits, flowers and vegetables. For further information write H. A. ALDRICH, Neoga, Ill.

WANTED—A man who understands the growing and care of roses, carnations, violets, and general greenhouse stock, who is not afraid of work, perfectly reliable, sober, industrious; a fair modern sort of floral designer can be assured of a permanent situation by forwarding references, salary expected, and all particulars to Box 1124, Rockland, Me. N. B.—Parties not possessing above qualifications are requested not to notice this.

FOR SALE—Cottage of 8 rooms, 1 acre choice land, 2 hot-houses, one 5x18, other 40x12, in city of 40,000 people. Bulldozers all new. Price, \$2,700. Address D. S. SCOTT, Greendale, Worcester, Mass.

FOR SALE—Lease of 5 greenhouses, 4,000 ft. glass, 1,000 feet in hot bed; 5-room house, house and greenhouses heated by steam. Best location in Pittsburgh, with good trade; in good order. For further information address W. M. C. BECKETT, 19 Federal St., Allegheny, Pa.

FOR SALE CHEAP—Aoy below items separately or together: Two Hitchings hot water boilers, size 16; 4-inch pipe, 1,700 feet; two greenhouses, total 42x100 feet. Also Hitchings ventilators for 3 houses, being six lifting gears, etc. GEORGE V. ADELMAN, Assignee, Franklin, Venango County, Penna.

FOR SALE—Large and complete greenhouses (with land) in Harrisburg, Pa. Within 10 minutes of heart of city; main line trolley cars pass the door every 15 minutes. Business wide and established for years—this has been held together since the owner's recent death. Everything in good shape. Property to be sold to settle estate. A first-class chance to competent man desiring to do large business. Address MARY A. MCCLINTOCK, Administratrix, W. F. DARBY, her Atty., Harrisburg, Pa. Steelton Pa.

For Sale or to Let at a Bargain.

P. Gormley offers his florist plant, established 25 years. Everything to the best condition; 2 acres of land, 500 feet on Fremont street. Electric cars pass every 15 minutes; 1 mile from city hall. The best stand in Massachusetts. Speak quick if you want the chance of a lifetime. Address P. GORMLEY, 260 Main St., Worcester, Mass.

Assignee's Sale.

By virtue of an order of the Court of Common Pleas of Venango county, Penna., C. P. P. D. No. 4, November term, 1893, the following effects assigned to me by James S. McGarry for the benefit of his creditors, to-wit: The lease of lot corner Liberty and Eighth Sts., two greenhouses, one house 18x30 ft., of 2 1/2 x 3 ft., two Hitchings boilers, size 16 corrugated fire-box, four Hitchings expansion tanks, six Hitchings ventilators with 48 arms, about 1,600 ft. 4-inch pipe. All plants, and accessories will be sold in bulk at public sale to the highest bidder. Sale will be on the premises, corner Liberty and Eighth streets, Franklin, Venango county, Penna., Friday, July 26, at 10 o'clock A. M. The above will be sold subject to the lease of the lot. Copies of said lease can be secured by a prospective bidder on application to the assignee. All bids sent by mail must be accompanied with good reference.

GEORGE V. ADELMAN, Assignee, 60 Thirteenth Street, Franklin, Pa.

FOR SALE.

1700 feet of 4 inch pipe, 8c. per foot, cash. One Foster boiler, 12 sections, will heat the above amount of pipe, cost \$260, will sell for \$100, cash.

36 Sash 4x8 feet, for a 75-foot house, house 15 feet wide including skylights; this lot \$50. All in fair condition.

WM. A. BOCK, North Cambridge, Mass.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots of 200 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a co-partner; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL, Belmont and Western Aves., Chicago.

ADVANCE LIST

Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.,

Grown by

P. SEBIRE & SONS,

USSY, (Calvados), FRANCE.

will be mailed on application to their sole Agents,

C. C. ABEL & CO.,

P. O. Box 920, NEW YORK.

New Fuchsia LITTLE BEAUTY, 50,000

The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100. BEGONIA Ombra, from 2 1/2-in. pots, \$9 per 100. GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$4.00 per 100. Cash with order. Special price on large quantities. LINCOLN I. NEFF, Florist, 4010 Butler Street, Pittsburgh, Pa.

CHRYSANTHEMUMS.

(See list with prices in June 15 number.)

Also Rose "AUGUSTA VICTORIA," in thumb pots, fine young plants, \$5.00 per 100; \$15.00 per 1000.

EDWIN LONSDALE,

WYNDMOOR, near Chestnut Hill, PHILA., PA.

ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England, & Brugse, Belgium.

A. DIMMOCK, Agent, care Kulker's Auction Rooms, 106 and 108 Liberty Street, New York City. Send for illustrated catalogue.



A SPECIAL FINE LOT OF SWORD FERNS,

stocky, well-rooted, grown in leaf mould. Average height 8 to 20 in., well furnished. Price \$12 per 1000, 500 for \$7.

Have lots of other plants. REASONER BROS., ONECO, FLA.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

ADIANTUMS.

Fine plants, strong crowns, 3-in. \$8.00 per 100; 3 1/2-in. \$10 per 100; 4-in. \$12 per 100; 5-in. \$18 per 100.

A few specimen *Latania* and *Pandanus*. Prices on application.

J. T. WILLIAMSON, Prop. La Rose Gardens, Memphis, Tenn.

PREPARE ADVS. NOW

FOR OUR

CONVENTION NUMBER.....

TO BE ISSUED

AUGUST 17.

THE NEW YORK CUT FLOWER CO.

The above company are now prepared to arrange for selling Cut Flowers of every class on the co-operative plan, and invite all growers to join us; guaranteeing them the best prices obtainable according to the market rates, and full returns for the same weekly.

To fully explain our system of conducting the business, we cordially invite all growers shipping to the New York City market to meet us at the Grand Union Hotel, 42nd Street and 4th Avenue, New York City, on Friday, July 12th, at 2 p. m. in Parlor A.

This company is composed of the leading growers in the vicinity of New York.

Our Motto is: FAIR DEALINGS, OPEN BOOKS, AND PROMPT PAYMENTS.

PROFITS DIVIDED PRO-RATA.

ERNST ASMUS,
President.
JOHN N. MAY,
Vice-President.
PAUL M. PIERSON,
Sec'y and Treas.

ERNST ASMUS,
EUGENE DAILLEDOUZE,
GEO. W. HILLMAN, Jr.
JOHN N. MAY,
FRANK McMAHON,
LOUIS M. NOE,
S. C. NASH,
PAUL M. PIERSON,
GEO. SALTFORD,
JOHN H. TAYLOR,
C. W. WARD,

} Directors.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
 Inch, \$1.40; Column, \$14.00.
 Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
 26 times, 20 per cent; 52 times, 30 per cent.
 No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Pittsburg and Allegheny Hotels.

Below are given the names and locations of the hotels at which rates have been secured by the local committee for convention week, rate per day, number each can accommodate, and whether American or European plan.

The Chairman of the Hotel Committee is Mr. B. L. Elliott, 38 Fifth avenue, Pittsburg.

PITTSBURG.

Central Hotel, Smithfield street, between Second and Third avenues. American plan. One person in a room, \$2.50; two in a room, \$2 each. Can accommodate 200.

St. Charles Hotel, corner Wood street and Third avenue. American. \$2. Can accommodate 100.

Hotel Willey, sixth street near Penn. American. One person in a room, \$2; two in a room, \$1.75 each. Accommodate 100.

Newell's Hotel, Fifth avenue. European. \$1 to \$2.00 Accommodate 20.

American House, 100 1/2 Liberty street. American. \$1.50. 75 rooms.

Hotel Schlosser, corner Sixth street and Penn avenue. American. \$3. Accommodate 150 to 200.

Hotel Anderson, Sixth street. American. \$3, \$3.50 \$4, \$4.50 and \$5 Accommodate 50 to 100.

Monongahela House, First avenue and Smithfield street. American. \$3 and upwards. Accommodate 60 to 75.

Hotel Durr, corner Fourth avenue and Market street. American. \$1.50 and \$2. Accommodate 25

Hotel Duquesne, Smithfield street. European. \$1.50 to \$5. 90 rooms.

Home Hotel, Duquesne Way. American. \$1.50. Accommodate 75.

Seventh Avenue Hotel, Seventh avenue. American. \$2.50 and \$3. Accommodate 100.

Hotel Boyer, Seventh and Duquesne Way. American. \$2. Accommodate 100.

Eastern Exchange Hotel, Penn avenue, East End. American. \$1.75. Accommodate 50 to 100.

ALLEGHENY.

Gerst's Hotel, East Diamond street 50 cents to \$1.25. Accommodate 25.

Hotel Schreiber, 35 S. Diamond street. \$1.50. Accommodate 50.

Hotel Randall, 49 S. Diamond street. \$1.50. Accommodate 25.

Hotel Girard, 20 Federal street. \$1.50. Accommodate 45.

Hotel Willard, 187 Federal street. \$1.00. Accommodate 75.

Hotel Mabold, Federal and Robinson streets. \$1.50. Accommodate 25.

Hotel Sauer, 84 Federal street. European. 50 cents, 75 cents and \$1. Accommodate 40.

Hotel Wetzler, 31 E. Diamond street. \$1.25. Accommodate 15.

Chas. Schulte, 162 Lacock street. \$2.00. Accommodate 25.

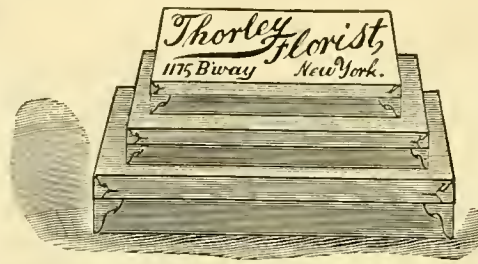
Hotel Carsou, 168 Lacock street. \$1.

Hotel Burdett, 2 Federal street. \$2.

EASTON, PA.—Daniel F. Lerch has gone into business here as a retail florist at 740 Washington street.

PROVIDENCE, R. I.—Florence A. Willard and Edgar Nick have opened a commercial establishment under the title of Hope Greenhouse at 279 Massachusetts Ave.

WARSAW, IND.—H. D. Seele, the florist, for the past seven years at Spring Fountain Park, Eagle Lake, Ind., has recently taken charge of Lakeside Park and conservatories located here. Lakeside Park is one of the finest in the state, located near the city, between two lakes and its conservatories are filled with choice plants.



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

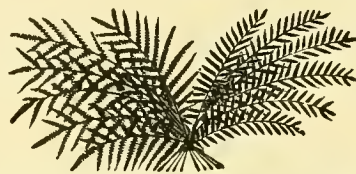
NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.

ELLIOTT'S ASPARAGUS PLUMOSUS NANUS.

The finest Decorative material grown. Graceful, durable and appropriate.

FOR JUNE WEDDINGS many thousands of yards will be used. This stock is grown to perfection in extensive houses specially constructed for this purpose, and can be shipped long distances without injury. PRICE PER STRING, 8 TO 10 FEET LONG, 50 CENTS.

WM. H. ELLIOTT, Brighton, Mass.



Hardy Cut Ferns,

BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.

SPHAGNUM MOSS IN ANY QUANTITY.

E. HARTFORD, 18 Chapman Place, BOSTON.

The Boston Flower Market

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.

Address **GEORGE CARTWRIGHT, Mgr.,**
 Flower Market, Park St., BOSTON, MASS.
 Long Distance Telephone "Haymarket 638."

ELLIS & POLLWORTH,
WHOLESALE CUT FLOWERS,

137 Oneida Street,

Box 75. MILWAUKEE, WIS.

John Conley & Son,
 Manufacturers of
TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

If you will want extra copies of the
AMERICAN FLORIST'S

Color Chart.

Please place your orders now.

Price, 25 cents each.

Ready August 17.

Every subscriber at that date will receive a copy free, but there will be only a limited number of extra copies to be sold at the price noted.

AMERICAN FLORIST CO.

P. O. Drawer 164. CHICAGO.

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.

H. L. SUNDERBRUCH,
Wholesale Florist

4TH AND WALNUT STREETS,
 Cincinnati, O.

DAN'L B. LONG,
WHOLESALE CUT FLOWERS,

495 Washington St., BUFFALO, N. Y.

SHIPPING ORDERS CAREFULLY ATTENDED TO.
 OTHER SPECIALTIES:
 Florists' Supplies, Wire Designs, Bulbs,
 Long's Florists Photographs.
 Catalogues. Lists. Terms. etc. on application.

W. ELLISON,
WHOLESALE
Cut Flowers & Florists' Supplies

WIRE DESIGNS.

1402 PINE STREET,

St. Louis, Mo.

C. A. KUEHN,

(Successor to ELLISON & KUEHN.)

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

WISCONSIN FLOWER EXCHANGE,
CUT FLOWERS, PALMS, FERNS.

We believe the list of stock we offer to the trade in the above line of specialties to be the finest and most complete made by any firm in the northwest. If you have not received our June quotations, please notify us.

WISCONSIN FLOWER EXCHANGE,
 MILWAUKEE, WIS.

JULIUS LANG,
 (Formerly with THEO. ROEHR.)

Commission Dealer in Cut Flowers,

WHOLESALE,
 53 West 30th St., NEW YORK CITY.

E. H. HUNT,
WHOLESALE FLORIST

68 Lake Street, CHICAGO.

WHOLESALE CUT FLOWERS.

**SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.**

During July and August our store will not be open after 6 p. m.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
and **FLORISTS' SUPPLIES.**
84 & 36 RANDOLPH STREET,
CHICAGO.

T. J. CORBREY,
Wholesale Commission Florist,
59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
Wholesale Florist,
126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

J. B. DEAMUD & CO.
WHOLESALE CUT FLOWERS,
34 & 36 Randolph Street,
PHONE MAIN 223. CHICAGO.
HEADQUARTERS FOR AMERICAN BEAUTIES.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
51 WABASH AVENUE,
CHICAGO.

Telephone Main 4937. Our Roses best them all, in quality. Headquarters for fine American Beauties.

WM. E. LYNCH,
(Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
59 WABASH AVENUE,
CHICAGO.
SHIPPING TRADE OUR SPECIALTY.
Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
41 WABASH AVENUE,
CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
WHOLESALE
COMMISSION FLORISTS,
41 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Consignments solicited. Prompt attention to all orders.

Cycas Leaves. FRESH CUT
each 75c.

VAUGHAN'S SEED STORE, P. O. Box 688. Chicago.

Wholesale Markets.

Cut Flowers.

NEW YORK, July 2.

Roses, general list	1.00@3.00
" " per 100	5.00@10.00
" Beauty extra	5.00@20.00
" " ordinary	1.00@5.00
Carnations, ordinary	10@.35
" " extra	.50@1.10
Valley	2.00@4.00
Sweet peas, per 100	1.00@3.00
Lilies	6.00@8.00
Smilax	10.00@15.00
Adiantum	.75@1.00
Asparagus	50.00

BOSTON, July 2.

Roses, general list	1.00@4.00
" Beauty	5.00@25.00
Carnations	.25@1.50
" " extra	.75@1.50
Candidum	1.00
Valley	2.00@4.00
Sweet peas	.10@.15
Adiantum	.75@1.00
Smilax	12.00@15.00
Asparagus	50.00

PHILADELPHIA, July 2.

Roses	1.00@4.00
" Beauties	15.00
Carnations	.25@1.00
Asparagus	35.00@50.00
Valley	3.00@4.00
Cattleyas	25.00@35.00
Sweet peas	.25@.40
Smilax	15.00@25.00

CHICAGO, July 5.

Roses, Beauties long	15.00
" " short medium	6.00@8.00
" Meteor, Kaiserin, select	4.00
" Testout Bride, select	4.00
" Large teas	2.00@3.00
Carnations, select	1.00@1.50
" " good average	.50@.75
Auratum lilies	8.00
Longiflorum	6.00@8.00
Gladolus	6.00@8.00
Coreopsis, ox-eye daisies	.25@.50
Galliardias	.35
Sweet peas	.15@.25
Smilax	15.00

BUFFALO, July 2.

Roses, Beauty	15.00@25.00
" " Mermct, Bride, Bridesmaid	3.00@4.00
" " Meteor	3.00@4.00
" " Perle, Hoste, Cusin	3.00
Carnations, long	1.00@1.25
" " short	.75
Sweet peas	.30
Valley	3.00
Smilax	15.00@20.00
Adiantum	1.25
Asparagus	50.00

GEORGE A. SUTHERLAND,
Successor to PECK & SUTHERLAND,
Successors to WM. J. STEWART.

Cut Flowers and Florists' Supplies
WHOLESALE.

67 Bromfield St., BOSTON, MASS.
New England Agent for the GREAT ANTIPEST.

**WHOLESALE
FLORISTS**
JOEBERS IN
FLORISTS'
SUPPLIES,
FLORISTS'
VASES.

METS,
BRIDES,
GONTIERS,
CARNATIONS,
ALWAYS ON HAND.
84 Hawley Street,
BOSTON, MASS.
HORTICULTURAL AUCTIONEERS.

SAMUEL S. PENNOCK,
Wholesale Florist
REAR OF 42 S. 16th STREET,
Philadelphia, Pa.

PREPARE ADS. NOW
FOR OUR **Convention**
Number
TO BE ISSUED AUGUST 17.

John I. Raynor,

49 WEST 28th STREET,

NEW YORK.

**SPECIALTIES FOR SUMMER
SHIPPING:**

**AM. BEAUTY,
METEOR,
VICTORIA,
TESTOUT.
SWEET PEAS. EXTRA SPECIAL.**

THOS. YOUNG Jr.
Cut Flowers,

WHOLESALE
43 W. 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
32 West 30th Street. NEW YORK.

Roses Shipped to all points. Price list on application.

Edward C. Horan,
34 W. 29th Street, NEW YORK.
WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.
Price list on application.

JAMES PURDY,
WHOLESALE DEALER IN
CUT • FLOWERS,
57 W. 30th St., NEW YORK.

JOHN YOUNG,
FINE ROSES
WHOLESALE,
51 West 28th St., NEW YORK.

THEO. ROEHRS,
WHOLESALE
FLORIST
111 WEST 30TH STREET,
Established 1879. NEW YORK CITY.

WELCH BROS.,
Wholesale Florists,
NO. 2 BEACON STREET,
Near Tremont St., BOSTON, MASS.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.
S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.;
ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-
bers St., New York, Sec'y and Treas.

MR. BURFEE sailed on the Columbia on the 6th inst.

MR. CHAS. DINGEE of the Dingee, Conard Co. will sail for Europe on the 29th, with his family.

PROVIDENCE, R. I.—A recent visitor: J. B. Kidd of Sunset Seed and Plant Co., California.

M. HOUDREY of Houdrey fils & Maurice, St. Remy, France, is making a trip through the U. S.

MR. J. E. NORTHRUP has been seriously ill with appendicitis during his stay in Montana, but is improving and now out of danger.

THE infant daughter of J. C. Robinson of Waterloo, Neb., died June 13 at Granville, N. Y., where the family were visiting at the time.

ROBERT BUIST, seed grower of Philadelphia, has incorporated his business, and the style of the firm is now "Robert Buist Company." It is chartered with a capital of \$300,000, full paid.

NEW YORK.—Visitors in town: Chas. N. Page of Iowa Seed Co., Des Moines, Ia.; Jas. Clarke of Leonard & Co., Chicago. First shipment of orchard grass seed from Kentucky at Henry Nungesser & Co. T. W. Wood, Richmond, Va., sailed for Europe on Wednesday, July 3.

Alleged Persecution.

SAN FRANCISCO, June 20.—B. F. Wellington, a wholesale seedsman, says that he is being persecuted by the Southern Pacific Company because he refused to render a verdict in the cases against the strikers that was favorable to the railroad.

Wellington was one of the jurors who tried the strikers' cases, and the jury refused to convict the strikers of conspiracy against the government. Wellington says that the railroad company is now trying to injure his business. He says that one Sacramento firm, which had been his customer acknowledged to him that they had withdrawn their trade because of railroad influence.—*Los Angeles Times.*

Worcester, Mass.

Business has gone all to pieces and though there is plenty of good flowers available they all go in the dump with the rest of the rubbish.

We have just experienced a week of rainy weather that has been an immense benefit and has assured the field crops.

One of the best exhibitions of the season was held June 27 and never before were such splendid exhibits of Campanula Medium and Dianthus barbatus shown in Horticultural Hall. The display of H. P. roses and cut flowers was away above the average and the show of native flowers by Arta Pierce was the finest ever exhibited in this city. The number of competitors in all the classes was large and the competition very keen, resulting in a show that was very encouraging to those having the welfare of the society at heart.
A. H. L.

CLAY'S LONDON FERTILIZER.

Used by the leading growers all over the world. Unsurpassed for ROSES, CHRYSANTHEMUMS, and all horticultural purposes. Genuine only. In sealed bags, with makers trade mark. For sale in the U. S. by the undersigned, in 100 lb. bags at \$5.00 per bag, f. o. b. Phila.

W. P.

MUSHROOM SPAWN.

Growers desiring to get their supplies from the first of the new season's consignments, due at the port of Phila. about the middle of August, should place their orders at once to avoid disappointment.

BULBS.

Japan Longiflorum, Spirea astilboides floribunda, Callia, Freesia, Hyacinth, Tulips, Narciss, Lily of the Valley, Azaleas, Rhododendron and all forcing stock at low rates, and delivered on time if orders are placed now. Price flat on application. Early orders respectfully solicited.

G. C. WATSON,

43 N. 10th St., PHILADELPHIA, PA.

Mignonette

. . . Seed.

Having a limited quantity this year to spare of

**GEO. E. BENNETT'S
IMPROVED ELOISE FRANCIS,**

I offer it to the trade at \$1.50 per hundred seeds, to be delivered on and after July 15th, 1895. All fresh and good seed. Cash with all orders. No agents. Address

GEORGE E. BENNETT,

382 Clarkson St., 29th Ward, BROOKLYN, N. Y.

Mr. George Bennett—

DEAR SIR:—It affords me great pleasure to endorse your Mignonette as the best I have seen; the pinch of seed given me last year surpassed any I have grown, and I say as a money maker it has no equal. Book my order for 12 packages. Yours truly,
ALEX. S. BURNS, Woodside, L. I.

M. KEPPLER,

Dealer in J. M. THORBURN & CO.'S

HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty. 25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.

METROPOLITAN P. O. East Williamsburg, L. I., N. Y.

The most Complete Assortment of Stock in the West for

FLORISTS and NURSERYMEN.

Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.

Catalogue and Price List free.

THE STORRS & HARRISON CO.,
Painesville, Ohio.

Gordiner's Celebrated English Mushroom Spawn.
Fresh and Reliable.
\$7 per 100 lbs.
Special prices on larger quantities.
John Gordiner & Co., Philadelphia, Pa.



TRY DREER'S GARDEN SEEDS,
Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
Philadelphia, Pa.



IMPORT PRICES

ON ALL

FALL BULBS

NOW READY.

Seasonable

Deliveries

on

Every Item.

VAUGHAN'S SEED STORE

New York:
26 Barclay St.

CHICAGO:
84 & 86 Randolph St.

FINEST OF BULBS

AT LOW RATES.

Wholesale prices on TULIPS, HYACINTHS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.

HULSEBOSCH BROTHERS, Englewood, N. J.
Mention American Florist.

WE SELL SEEDS

Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.

WEEBER & DON,

Seed Merchants and Growers,
114 Chambers Street, NEW YORK.

H. H. BERGER & CO.
(Established 1878) SAN FRANCISCO, CAL.
NEW PRICE LIST. Send for it.

Headquarters for
FREESIA REFRACTA ALBA,
LIL. LONGIFLORUM,
AURATUMS, and all other Japan Lilies.
ESPECIALLY LOW PRICES FOR EARLY ORDERS.

W. A. MANDA,
MERCHANT, GROWER, IMPORTER & EXPORTER OF
FLORISTS'

Plants, Seeds and Bulbs.
NOVELTIES A SPECIALTY.

The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

MRS. THEODOSIA B. SHEPHERD,
VENTURA-BY-THE-SEA, CALIFORNIA.
Grower of RARE SEEDS, BULBS, PLANTS, CACTI and SUCCULENTS.

Takes contracts to grow all kinds of stuff in quantity.
SPECIALTIES:
Seeds of New Cosmos, Chrysanthemum, Ipomoea Heavenly Blue, Begonia and Nasturtium. Send for trade list.

LILIAM HARRISII.
Original and largest growers of this important bulb.
OUR SPECIALTY!
True Stock. Lowest Prices. Best Quality.
F. R. PIERSON CO.,
TARRYTOWN-ON-HUDSON, NEW YORK.

For 30 Days. **SPECIAL OFFER.** For 30 Days.
AZALEA INDICA.

Having made very favorable arrangements to handle a large quantity of *Azalea indica* grown under contract expressly for my trade, I am enabled to offer fine budded, well-shaped plants, of the same well-known quality as supplied by me during the past 15 years, at very moderate prices for cash.

TERMS, 1-4 CASH WITH ORDER, BALANCE ON DELIVERY.

Circumference of Crown:	Per 50.	Per 100.	Per 500.
24 to 30 INCHES	\$ 13.50	\$25.00	\$120.00
30 to 36 "	17.00	32.50	155.00
36 to 40 "	22.00	41.00	195.00
40 to 48 "	26.00	50.00	240.00
48 to 60 "	34.00	65.00	
extra choice exhibition plants	Per Dozen, \$24.00 to \$50.00.		

In following well-known trade varieties, at buyer's choice.

A. BORZIG
 BERNARD ANDREA
 BERNARD ANDREA ALBA
 COMTE DE CHAMBORD
 COMTESSE DE KERCHOVE
 DUCHESS FERDINAND NUNEZ
 DEUTCHE PERLE
 EMPRESS OF THE INDIES
 EMPEREUR DE BRAZIL
 HERMOISA

KING LEOPOLD
 MME. PAUL DE SCHRYVER
 MME. VAN DER CRUYSSSEN
 METEOR
 MME. C. VAN LANGENHOVE
 MME. LOUIS VAN HOUTTE
 MME. BERTHA FROEBEL
 PHARILDA MATHILDA
 QUEEN OF THE WHITES
 SIMON MARDNER

RAPHAEL
 SIGISMUND RUCKER
 SOUVENIR FRANCOIS VERVAENE
 SUPERBA
 VERVAENEANA
 AND OTHER GOOD SORTS

Plants delivered free on board cars. Remit by check on New York, P. O. or Express money order.

EARLY ORDERS REQUESTED.

BULBS, all kinds at lowest rates. C. H. JOOSTEN, Importer, 36 Dey St., NEW YORK.

SEGGERS BROTHERS,

WHOLESALE BULB GROWERS, LISSE, near Haarlem, HOLLAND,

Respectfully beg their customers to send in their esteemed orders without any further delay.

PALM SEEDS

Just arrived in best condition.

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BRAHEA FILIFERA, syn. Pritchardia filamentos, \$1.00 per lb.; \$7.50 per 10 lbs.

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 404 E. 34th Street, NEW YORK.

N. B.—We are now booking orders for all kinds of Palm Seeds. Send your list and we will quote you prices.

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 WHOLESALE GROWER OF
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 50,000 of leading varieties.

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PREPARE **NOW**
 ADVS. **NOW**
 FOR OUR
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AUGUST 17.

25,000 SMILAX PLANTS
 from 2½-inch pots, strong and healthy,
 \$2.50 per 100; \$20.00 per 1000.

TERMS STRICTLY CASH. Sample orders 10 cents.
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 CLEVELAND FLORAL CO.,
 751 Crawford Street, CLEVELAND, O.

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Washington.

Next to New York Washington takes the lead in floral extravagance, and the decorations at the important fashionable affairs here are most elaborate. The display is generally inaugurated in November and December, when the debutantes are greeted by society goers.

The most extravagant lover of flowers that the Capitol has known for many years was the late Mrs. W. C. Whitney (whose husband was a member of President Cleveland's cabinet during his first term).

Mrs. Senator Brice and Mrs. Westinghouse are now among Washington's society entertainers who do not consider expense when ordering floral decorations for their many entertainments during the social season, they always have the finest and most expensive flowers in the market.

Mrs. Cleveland's great fondness for flowers is well known and she has an especial fancy for growing flowering plants, but is enthusiastic over all flowers from the most modest wild flower to the conservatory-grown roses and orchids. The President while not a connoisseur in such matters is very fond of flowers.

Mrs. Olney, the wife of the new Secretary of State, is partial to delicate pink roses, and at her entertainments her table is always extremely artistic, is ever filled with dazzling colored and fragrant flowers.

Mrs. Carlisle usually selects white or green and occasionally pink for the luncheons given to her youthful friends, and her tables are renowned for the taste displayed in floral decorations.

Mrs. Lamont is partial to the American Beauty rose, with smaller dainty flowers to contrast its rich coloring, and also is fond of a bright yellow.

Miss Herbert, daughter of the Secretary of the Navy, is original in her table decorations, which are always artistic and usually of some characteristic southern flower, often causing the florist having her order no end of trouble and anxiety to carry out her idea as to the flowers and their arrangements.

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SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride, and Meteor.

Please write, stating just what you want, and I will quote you a bargain.

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OF ALL KINDS.

CARNATION PEACHBLOW.

For reasonable price.

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SPEAK QUICK IF YOU WANT ANY

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COME AND SEE IT FOR YOURSELF. \$35 PER 100; \$250 PER 1000.

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FORCING ROSES

First-Class Stock.

	Per 100
BRIDES, 2½-inch	\$4.00
METEMETS, 2½-inch	4.00
LA FRANCE, 3½-inch	11.00
AMERICAN BEAUTY, 2½-inch	8.00
BELLE SIEBRECHT, 3½-inch	\$7.50 per doz.
MRS. PIERPONT MORGAN, 3½-in.	\$7.50 doz.

BEDDING ROSES, 2-in. pots.

MAURICE BOUVIER	} \$ 3.00
MARIE LAMBERT	
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CLIMBING PERLE	
CLIMBING NIPHETOS	6.00
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STROBILANTHES DYERIANUS	8.00
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SMILAX, 2-inch	2.00
CYPERUS ALPERNIFOLIUS, 2-inch	4.00
ENGLISH IVY, 4-inch pots, 3 to 4 ft. long	10.00
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Forcing Roses. Choice Stock.

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BRIDE, 4-inch	\$8.00	BRIDESMAID, 4-inch	\$8.00
" 3-inch	6.00	" 3-inch	6.00
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These are all in fine growing condition, ready for immediate planting.

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1000 AMERICAN BEAUTIES, 4-in.	\$10.00	500 BRIDES, 2½-in. pots,	\$3.00
1000 " " 3-in.	8.00	1000 BRIDESMAIDS, 3-in. pots,	5.00
1000 " " 2½-in.	6.00	2000 " 2½-in. pots,	3.00
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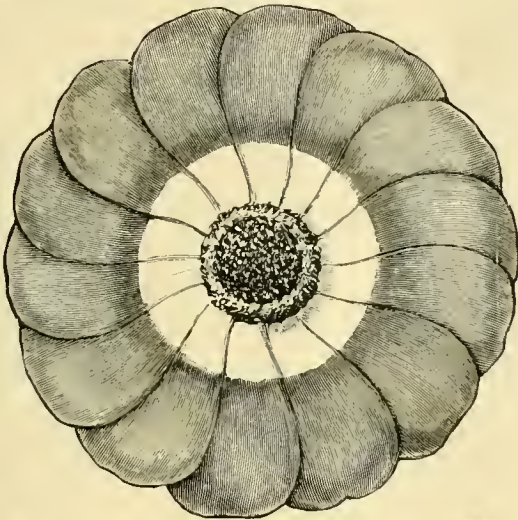
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Calceolarias when in bloom at the World's Fair attracted much attention by the great size of the individual flowers and the richness of the colors and markings, many of these being new and distinct. It has been our good fortune to secure seeds of a most magnificent strain. Trade packet, 50c.

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MAMMOTH bushy plants \$3.10 \$25.00
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 Strong 5 and 6-inch in bud and bloom 25.00

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Prime stock, 4-inch.

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3 AND 3 1/2-INCH.

2500 METEORS \$40 00
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FOREST GLEN, ILL.

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From 2 1/2-inch pots. Per 100 Per 1000

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BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices

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Cut Blooms at Wholesale.

FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

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This is a charming residence city, though there are but few large private places, one of them belonging to Mr. S. A. Ginna of New York, and managed by an English gardener, Mr. Geo. Jackson, with extreme neatness and finish.

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100 good 2-inch pot plants, in 20 varieties, if wanted, for only \$1.00.

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Choice varieties for planting, \$2.50 and \$3.00 per hundred.

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CHRYSANTHEMUMS, of all leading varieties, nice young stock, in 2 1/2-inch pots, \$2.25 per 100

ROOTED CUTTINGS OF ALL KINDS AT USUAL LOW PRICES.

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NOW ABOUT ORCHIDS. Have you seen the stuff we are delivering this season at one-half the price asked in London? The plants are a great credit to any grower and will return big dividends in flowers.

Asparagus plumosus. We had 50,000. Now all sold. Strobilanthes Dyerianus. To close; price, 2-inch pots, \$6.00 per 100; 3-inch pots, \$10.00 per 100.

A dozen barrels second size Pearl Tuberoses, \$2.00 a barrel, containing 1500 bulbs.

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THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at \$1.00. And THE GIANT MARKET, 2000 seeds, for \$1.00 also.

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Pansies Worth Raising.

THE POPULAR VARIETY THAT SELLS AT SIGHT.

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MAMMOTH SUNBEAM STRAIN. A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts., 60 cts.; 6 pkts., \$1.00. A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order. JOHN F. RUPP, Shiremanstown, Pa.



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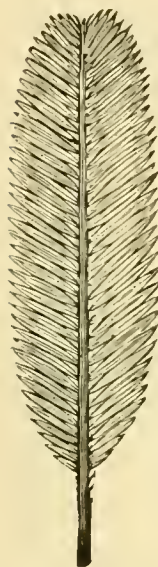
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OUR NATURAL

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Quickest and most effective cure for
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Price from 2½-inch pots, \$1.00 per 100.
YELLOW QUEEN, best early yellow. 2½-inch pots, \$1.00 per 100. Fifty other good market sorts from 2½-inch pots, \$3.00 per 100.
Special price on large quantities.
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It is highly concentrated, and made from pure chemicals.

Write for sample, trade prices, and discounts on retail packages.

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The Ideal Insecticide.

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Kills Mildew and
Fungus Growth.
What does?
GRAPE DUST.
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2½-in. pots, strong thrifty plants, \$2 50 per hundred; \$20.00 per thousand.
F. A. BALLER, Bloomington, Ill.

California State Floral Society.

This society is doing good work on the Pacific Coast.

In February of this year a hyacinth exhibition was given; in March a fine display of named narcissi, hyacinths, tulips, etc., also wonderfully well grown violets, of every known variety, including the "California" and "Lady Hume Campbell." In April came the wild flowers and this display was large and well presented. In May, beside the rose show held at the Palace Hotel, at the monthly meeting three exhibits of 30 named varieties of carnations were shown, grown to perfection. Thirteen new California seedling pelargoniums were presented to have their merits passed upon by the society, while the collection of brodiaeas was the finest ever exhibited on the coast.

At the meeting held Friday, June 14th, at the rooms of the State Board of Horticulture, 220 Sutter street, the second annual exhibition of sweet peas took place. C. C. Morse of Santa Clara, and M. Lynch, of Menlo Park, each made a large display of the finest varieties, including all novelties of Mr. Eckford, even those of 1895. A paper sent by Rev. W. T. Hutchins, of Indian Orchard, Mass., the great specialist on sweet peas, was read at the meeting. Eighty-five varieties of sweet peas were displayed and the crowd was so great many had to stand throughout the meeting. W. H. S.

Steam Heating.

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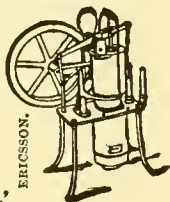
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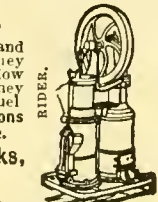
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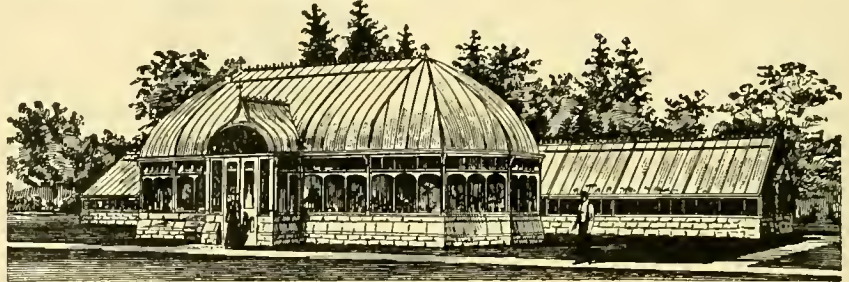
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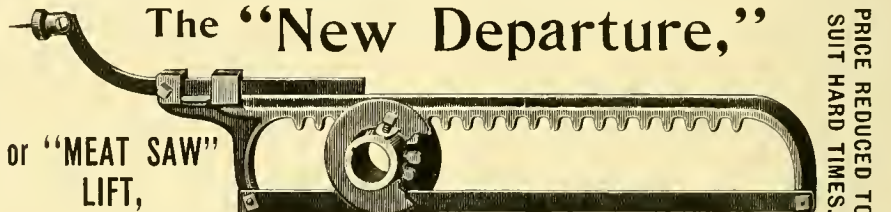


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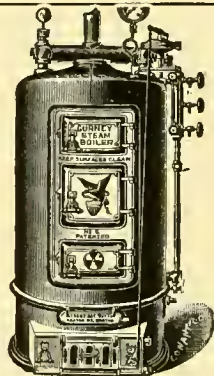


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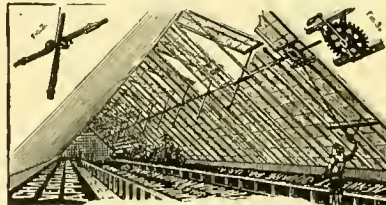
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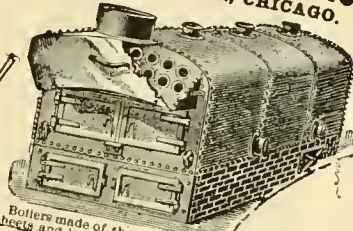
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to take our Boiler. They all had given
the question considerable thought before ordering.

Yours Truly
Kroeschell Bros Co.

13 Write me for catalogue and
any other information you desire

Grand Rapids, Mich.

At the meeting of the Florist Club held July 2 the chrysanthemum show to be held in November was the principal topic. Several growers reported having considerable space in their houses set aside for the purpose of growing specimens. One grower expects his six dozen specimen plants to fill one of his houses by November. A special feature will be a spirited contest of amateurs in their class, the committee having decided to offer premiums in this class.

The club will hold its picnic August 6, and the ladies were requested to present samples of what their lunch baskets would contain at the next meeting of the club, which assures a full attendance.

Henry Lohr, who has been foreman for T. R. Renwick & Co. for the past fifteen years, leaves this week to take a similar position with Schmidt Bros. of the "Floral Park."

Miss Anna O'Neill, with Renwick & Co., leaves soon for a visit in New York.

The Grand Rapids Floral Co. are erecting a new rose house 150x20.

The Wealthy Avenue Floral Co. management has undergone a change, Louis Kunst and J. Ringold dropping out, leaving the original partners, Messrs. Freiling & Mendels. J. A. CREELMAN.

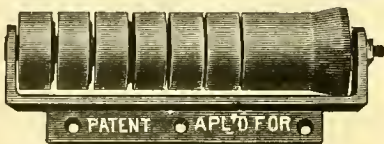
FOSTORIA, O.—The Fostoria Floral Co., composed of Emerson R. Sackett and F. W. North, has been dissolved. Mr. Sackett will continue the business under the name of The Fostoria Floral Co.

GREAT FALLS, MONT.—Frederick Edmonds and John Feiden are starting in business here under the firm name of Great Falls Floral Co. They expect to have 6,000 feet of glass up and in running order by next September.

BLOOMSBURG, PA.—Mr. J. L. Dillon, the well known florist, and Miss Louise G. Hutchinson of Kingston, Pa., were married June 26, at the home of the bride's parents. The floral decorations were very elaborate.

ATLANTA, GA.—All florists here are making great preparations for the exposition this fall. Trade now is confined almost entirely to funeral work, but that has been very good for the past two or three weeks. Good stock is scarce, as most everything has been thrown out, and there is very little outdoor stuff; competition is very great, but prices hold up fairly well. The West View Floral Co. are building new houses. The C. A. Dahl Co. are rebuilding house for "mums," and Geo. Hinman is making some extensive repairs and has built a new house for "mums."

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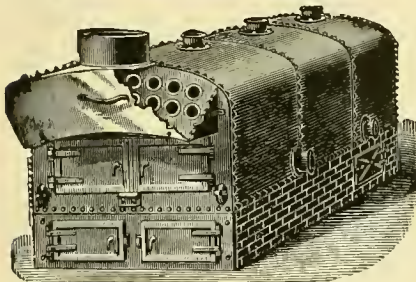
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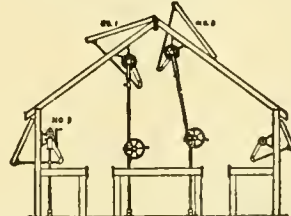
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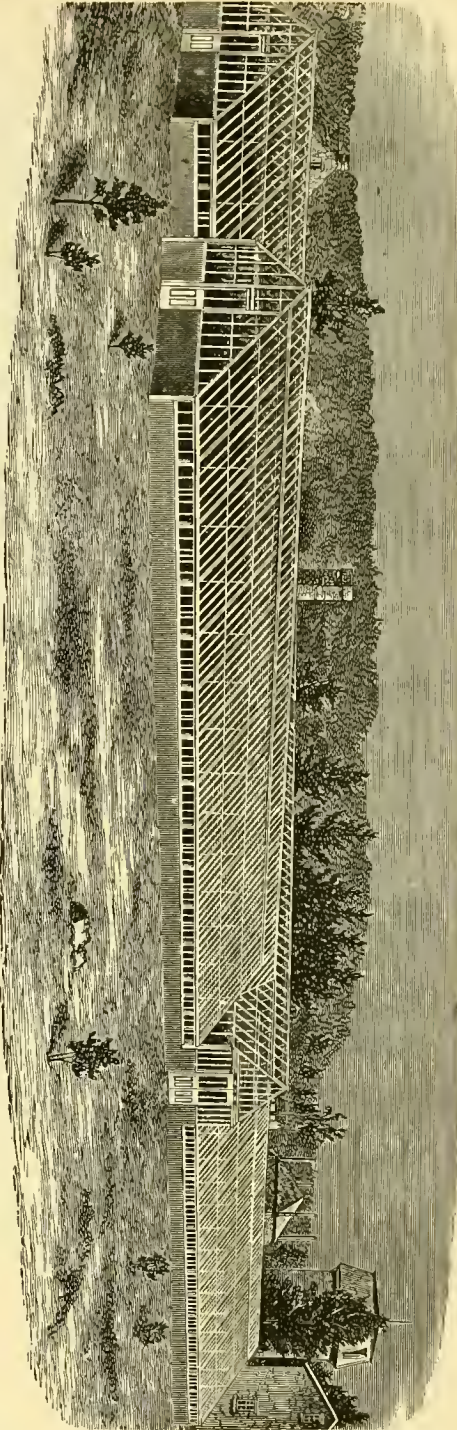
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Vol. X.

CHICAGO AND NEW YORK, JULY 13, 1895.

No. 371

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SOCIETY OF AMERICAN FLORISTS.

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; W. J. STEWART, Boston, secretary; H. B. BEATTY, Oil City, Pa., treasurer. The 11th annual meeting will be held at Pittsburg, Pa., August 20, 21, 22 and 23, 1895.

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The color question will be settled in our Convention Number, to be issued August 17 next, by the publication of an accurate chart of 30 colors prepared for us by Mr. F. Schuyler Mathews.

THE AMERICAN FLORIST (\$1.00) and Gardening (\$2.00) together to one address for one year for \$2.50. Send orders to American Florist Co.

DO YOU WANT a complete alphabetical list of chrysanthemums in commerce in America, with class, and brief, accurate description of each? You will find such a list in our trade directory and reference book for 1894. Price \$2.00.

Society of American Florists.

PROGRAM PITTSBURG MEETING.

TUESDAY, AUGUST 20, 1895.

First Day, Opening Session, 10:30 A. M.

Address of welcome, Mayor B McKenna of Pittsburg, Mayor W. M. Kennedy of Allegheny, and others.

Response.

President Lonsdale's address.

Reports—Secretary, Treasurer, Standing Committees, Special Committees. Appointment of exhibition judges. Miscellaneous business.

PAYMENT OF DUES.

Members can pay their annual dues at the Convention Hall previous to the opening of the morning session, or at the close of that session, on the first day of the Convention.

Those who choose to do so, may remit the amount of their dues to the secretary at any time previous to the date of the Convention. The Society's badge and receipt will be sent in return.

N. B.—According to the by-laws and custom of the Society, any person becoming a member continues a member until he asks for a release, or is suspended for non-payment of dues. Members having once joined the Society are thus liable for successive annual dues unless they notify the Secretary of their desire to withdraw from membership. All arrearsages must be paid unless abatement is granted by vote of the Executive Committee.

On the afternoon of the first day the judges will examine and pass upon the trade exhibit.

First Day, Evening.

Tuesday evening will be devoted to the President's reception, thus giving the members an opportunity to get acquainted. This will probably take place in the Casino at Schenley Park, and under the auspices of the local club.

WEDNESDAY, AUGUST 21, 1895.

Second Day, Morning Session, 10 o'clock.

Selection of place of meeting for 1896.

Nomination of officers.

Report of judges on exhibits.

Discussion of the President's address.

A paper, subject: "Horticultural Education, Practical and Theoretical." Chas. J. Dawson, Jamaica Plain, Mass.

Discussion.

The Question Box.

Election of State Vice-Presidents by state delegations.

The Florists' Hail Association of America will meet on Wednesday afternoon. The Florists' Protective Association, The Telegraph Delivery Association, The American Rose Society and The Chrysanthemum Society of America will give notice of their time of meeting at a later date.

Second Day, Evening Session, 8 o'clock.

An illustrated lecture, subject: "The Mysteries of the Flowers." Wm. Hamilton Gibson, Washington, Conn.

This lecture will not be free to the public.

THURSDAY, AUGUST 22, 1895.

Third Day, Morning Session, 10 o'clock.

Election of officers.

Discussion, under the auspices of the Chrysanthemum Society of America. Subject: "Improved Chrysanthemums. Extant and Essential." Opened by E. G. Hill, Richmond, Ind.

Discussion, under the auspices of the American Carnation Society. Subject: "Latest Facts as to Carnations." Opened by Fred Dorner, Lafayette, Ind.

Discussion, under the auspices of the American Rose Society. Subject: "Latest Facts as to Roses."

The Question Box.

Third Day, Evening Session, 8 o'clock.

A paper on the Advancement of the Retail Flower Trade. (Author to be announced later).

Discussion.

A paper, subject: "The Society's Influence in Popular Horticultural Advancement." Prof. J. F. Cowell, Buffalo, N. Y.

Discussion.

The Question Box.

The following interrogatories have already been received, and will be assigned to competent gentlemen for replies during the course of the sessions:

1. Is it practicable for this Society to hold flower shows in some of the larger cities in the fall?
2. What is the best means for us as a Society to adopt to prevent unscrupulous dealers from misrepresenting their goods or our profession?
3. Should the Society take any action towards organizing a mutual benefit insurance within its own membership?
4. Would it benefit the Society to limit its membership to those actively engaged in commercial floriculture and allied trades?
5. How can the interests of any special class of plants be best advanced?
6. Is it advisable for greenhouse proprietors to accept plants for storage, and under what conditions?
7. What is the best method for forcing hardy roses?
8. What length of greenhouse would be most desirable to ventilate under one section, provided the whole length of sash could be raised without strain to the apparatus?
9. What amount of working capital would be deemed sufficient to start into the florist business in a city of five to ten thousand inhabitants?
10. What warranty against diseased Harrisii bulbs should be required by purchasers?
11. Is the mail trade in plants on the decline? and if so, why?

IMPORTANT BUSINESS.

In addition to the business outlined in this program many questions will come up for settlement which will have an important bearing on the Society's future, and will make the Pittsburg meeting one of the most important in the history of the Society. Among these are the reports of the special committee on the classification of risks and uniformity of rates of fire insurance for greenhouses; on the Society's policy with regard to members in arrearsages for annual dues; on closer relations between the Society of American Florists and the several auxiliary organizations which have been outgrowths of the parent Society; on standard list of decorative plants and on nomenclature.

THE TRADE EXHIBIT.

The Trade Exhibition will be as heretofore a prominent feature. Every branch

will be well represented. Those desiring space, and who have not already secured it, should apply immediately to the superintendent of the exhibition, who will supply all information relative to arrangements, premiums, etc.

MEALS.

The attention of growers is called to the Society's gold, silver and bronze medals which were offered last year for new and rare plants, and are open to competition again this year. For rules and conditions governing the awards apply to the secretary.

LOCAL HOSPITALITIES AND ENTERTAINMENTS.

On the fourth day (Friday, August 23,) the members of the Society will be the guests of the Pittsburg and Allegheny Gardeners' and Florists' Club. A steamboat excursion up the Monongahela river, and probably a visit to one of the large steel works at Homestead will be a feature of the day. Arrangements are being perfected for the grand bowling match and shooting tournament, and full particulars as to time and place of same will be given later. Special entertainments for the visiting ladies are also promised.

ARRANGEMENTS FOR TRANSPORTATION.

All the railroads represented in the Trunk Line Passenger Committee, Boston Passenger Committee, Southern States Passenger Association and Central Traffic Association have agreed upon a uniform excursion rate of one and one-third fare upon the "certificate plan," upon the following conditions:

1. Each person must purchase a first class ticket to place of meeting, for which regular fare must be paid, and upon request the Ticket Agent will issue a certificate certifying as to the form, number, route and destination of ticket purchased.

2. If through tickets cannot be procured at starting point passengers must purchase to most convenient point where such tickets can be procured, and repurchase through to destination, requesting certificate from Ticket Agent at the point at which such ticket is purchased.

3. Tickets for the return journey will be sold by Ticket Agents at place of meeting at one-third first-class limited fare, only to those holding certificates signed by the Ticket Agent at point from which ticket for going passage was sold; such certificate to be countersigned by the Secretary of the Association, and vised by the special agent of the railroad association.

4. Tickets for the return journey will be furnished only provided certificates have been procured not more than three (3) days before the meeting assemblies, and presented to Agent at return starting point within three (3) days after adjournment of the meeting Sundays not counted.

5. Certificates are non-transferable, and tickets issued on certificate for return journey will be limited by Agent for continuous trip, no stop-over privilege being allowed.

VERY IMPORTANT.—No refund of fare will be made on any account whatever because of failure to procure certificates before starting on the going journey.

You will observe from this rule that it is absolutely necessary for each passenger before starting to obtain a certificate of the Ticket Agent at the point at which the going ticket is purchased, otherwise said passenger will be unable to obtain the special rate for the return journey, and will be obliged to pay full tariff rates in both directions.

RECEPTION.

The chairmen of the various delegations en route to Pittsburg are requested to notify the Chairman of the Reception Committee of the time of arrival of their trains and members of that committee will be on hand to escort them to the hotels.

Sub Committees of the Pittsburg and Allegheny Florists' and Gardeners' Club in charge of Convention matters:

RECEPTION—A. W. Smith, Boggs avenue, Pittsburg; J. Semple, F. Burki, A. Nelson, J. Herron, J. Bader and R. Lundstrum.

ENTERTAINMENT—E. C. Reineman, 305 Lowry street, Allegheny; W. Watson, T. Ullman, A. F. Dalzell and W. Schemmatt Jr.

LADIES—G. W. Burke, Highland Park, Pittsburg; Ed. Howells, C. Cook, N. Patterson, W. J. Elliott, R. J. Murdoch, B. Froesch, T. Ulam and W. Breitenstine.

PRESS AND PRINTING—A. F. Dalzell, Sta-

tion D, Pittsburg; J. B. Murdoch and T. Ulam.

HOTEL—B. L. Elliott, 38 Fifth avenue, Pittsburg; P. S. Randolph and J. W. Ludwig.

BOWLING—H. Scherrar, 510 Smithfield street, Pittsburg; J. B. Murdoch and W. Watson.

Pittsburg and Allegheny Hotels.

Below are given the names and locations of the hotels at which rates have been secured by the local committee for convention week, rate per day, number each can accommodate, and whether American or European plan.

The Chairman of the Hotel Committee is Mr. B. L. Elliott, 38 Fifth avenue, Pittsburg.

PITTSBURG.

Central Hotel, Smithfield street, between Second and Third avenues. American plan. One person in a room, \$2.50; two in a room, \$2 each. Can accommodate 200.

St. Charles Hotel, corner Wood street and Third avenue. American. \$2. Can accommodate 100.

Hotel Willey, Sixth street near Penn. American. One person in a room, \$2; two in a room, \$1.75 each. Accommodate 100.

Newell's Hotel, Fifth avenue. European. \$1 to \$2.50. Accommodate 200.

American House, 1002 Liberty street. American. \$1.50. 75 rooms.

Hotel Schlosser, corner Sixth street and Penn avenue. American. \$3. Accommodate 150 to 200.

Hotel Anderson, Sixth street. American. \$3, \$3.50, \$4, \$4.50 and \$5. Accommodate 50 to 100.

Monongahela House, First avenue and Smithfield street. American. \$3 and upwards. Accommodate 60 to 75.

Hotel Durr, corner Fourth avenue and Market street. American. \$1.50 and \$2. Accommodate 25.

Hotel Duquesne, Smithfield street. European. \$1.50 to \$5. 90 rooms.

Home Hotel, Duquesne Way. American. \$1.50. Accommodate 75.

Seventh Avenue Hotel, Seventh avenue. American. \$2.50 and \$3. Accommodate 100.

Hotel Boyer, Seventh and Duquesne Way. American. \$2. Accommodate 100.

Eastern Exchange Hotel, Penn avenue, East End. American. \$1.75. Accommodate 50 to 100.

ALLEGHENY.

Gerst's Hotel, East Diamond street. 50 cents to \$1.25. Accommodate 25.

Hotel Schreiber, 35 S. Diamond street. \$1.50. Accommodate 50.

Hotel Randal, 49 S. Diamond street. \$1.50. Accommodate 25.

Hotel Girard, 20 Federal street. \$1.50. Accommodate 45.

Hotel Willard, 187 Federal street. \$1.00. Accommodate 75.

Hotel Mabald, Federal and Robinson streets. \$1.50. Accommodate 25.

Hotel Sauers, 84 Federal street. European. 50 cents, 75 cents and \$1. Accommodate 40.

Hotel Wetzler, 31 E. Diamond street. \$1.25. Accommodate 15.

Chas. Schutle, 162 Lacock street. \$2.00. Accommodate 25.

Hotel Carson, 168 Lacock street. \$1.

Hotel Burdett, 2 Federal street. \$2.



Carnation Notes.

The late rains have improved the condition of the carnations in this section wonderfully, and the question is now coming from some, will the plants be too large by September 1? In my opinion it is difficult to get too large a plant, although many differ from me on this point. I think all will admit that our main crop is needed most at Christmas. Will a small or even medium sized plant throw up as many flower stems at that time as a large one? I think not. I believe the cause of the preference for medium sized plants is that they transplant better than large stock especially when taken in in bud, but as I have stated

previously this is a bad practice. Now my advice to all is get your plants just as large as you can, for it is my experience that more large well developed bloom can be obtained from large plants.

Watch carefully at present the cutting back; see that no stem is allowed to mature a bud and do not pinch out a stem until the offshoots appear. By following this plan I find that the plant makes a stronger and a decidedly healthier growth. Thrips is now making its appearance; this pest injures the growth of the plant very materially and should receive prompt attention with tobacco dust blown over the plants when dry; this does not kill the mite but drives it away. The sort most affected with the mite here is Daybreak and many a large stock has been lost by neglect; I have also found that nipping out the affected stems will rid the plants of thrips.

If you wish early blooms stop pinching back now, thus allowing the plants to bloom. To obtain flowers during October and early November make some frames, double span, out of rough material if you choose, plant some desirable varieties in the frames August 20, utilizing any hotbed sash you may have. I would advise using early sorts for this purpose.

CHARLES H. ALLEN.

Hints About Art in Gardening.

PART III.

As the summer progresses and the earlier plants which we have arranged for special effect have either ceased blooming or have spent their strength completely we have to renovate waste spaces in the garden beds, and provide for those flowers which will bloom early in September.

September is the month when my own garden in northern New Hampshire is in its prime, and I have to provide now against all future possibilities of color discord and confusion of foliage masses. For instance, I am careful to transplant the newer roots of crimson sweet william,



SCARLET GLADIOLI AND WHITE ASTERS.

which has past its blooming period, to some part of the garden where next year crimson will not clash with orange, scarlet, and yellow. Against the possibility of a multitude of inharmonious hues among the annuals, I have also provided plenty of white.

We should have a good supply of the

white varieties of aster, scabiosa, poppy, dianthus, carnation, balsam, dahlia, zinnia, stock, Phlox Drummondii, petunia, tobacco and cosmos. With these it is an easy matter to bring the garden in September to a tolerable condition of color harmony. The white geranium *La Favorite* is also a very desirable flower to prevent the clashing of colors; it makes a



COMET ASTERS LIFTED ABOVE GARDEN LEVEL BY A TILED BOX.

beautiful combination with blue campanulas, and light colored gladioli.

One word now, about the aster, which is in its prime in September. I hope the advent of so large a number of beautiful new varieties will not occasion the neglect of the old standby *Victoria*. I depend on the white *Victoria* for producing some pretty effects either with cannas or with scarlet gladioli. I wish to draw particular attention to the fact that the white *Victoria* has more substance than the white *Comet*; the former is creamy and solid; the latter, translucent and alabasterlike. The beauty of the *Comet* is extraordinary; but at a distance this is not so apparent, and the solid white which characterizes the *Victoria* makes it more desirable for general effect. This must not be lost sight of in arranging asters in the garden beds; better place the *Victorias* in the distance and the *Comets* where they may be touched by the finger tips—in fact, we cannot place these dainty waxy white asters too near the eye.

I so often see a needless waste of energy in the arrangement of a garden—dainty things quite out of sight; larger and coarser ones obtruding themselves; detail lost, and masses of large foliaged plants eclipsing some few delicate specimens which ought to be directly under the eye—that I am constrained to wish for a little more far-sightedness among gardeners. The white tobacco may be planted quite near to the path, as well as in distance, and a few striking tall sunflowers may hold a position near a gateway; but all shrubby, eulalia and pampas grasses, dahlias, zea, ricinus, large poppies, tall zinnias and *El Dorado* marigolds, might be kept quite in the rear of many small things to the great increase of artistic effect; it is a mistake, however, to suppose that the exclusive grouping together of these larger characters is the correct way of treating them. The giants and dwarfs frequently appear in charming contrast together; I find no difficulty in growing my *mignonne* in solid clusters at the feet of my tall hollyhocks. So when the bed of asters is arranged, I do not see any reason why it should be solely occupied by asters. Gladioli, *Milla biflora*, *Bessera elegans*, *tigridias* and *Hyacinthus candidans*, as well as the flaming *tritoma*, are

all charming associates with white asters. In the grouping of colored asters, it is best to separate pink from red and crimson; blue-lilac from three foregoing, and purple from red, crimson, and all light colors. Violet, red-purple, and purple associate well so far as dark colors are concerned, and white with any color is perfectly harmonious. But the indiscriminate mixing of all colors in the aster family, although it may not bring about positive discords is apt to result in some unpleasant combinations. The *Triumph*, which is generally called scarlet (there is no scarlet aster), has a nearly pure red color which I find does not look well with the other crimson and purple tones of the aster family. The *Truffaut* asters are splendid in various hues and tints which all need the relief that a good dark background affords. As a rule it is best to plant the light colored flowers in distant positions, and the dark colored ones



A BORDER OF SCABIOSA AND CENTAUREA CANDIDISSIMA.

directly at one's feet, always placing white flowers in between those of deep and positive hue.

One of the prettiest bits of color contrast may be produced by planting together *King of the Blacks* and *Snowball* scabiosa. A group of these dainty plants on the border of a path, and close to one's feet is far more interesting than a bed of *coleus* and *dusty miller*; in fact the *dusty miller*, I find, makes an excellent environment for a good bed of scabiosa. Few people seem to be familiar with the splendid *black scabiosa*; its rich, velvety, dark claret color is unique, and it seems as though it deserved more attention from the florists. As a cut flower it has great powers of endurance, and in the garden grown with the white variety it is effective and even dainty. Such showy characters as scarlet *salvias* and geraniums are more or less common; the gay *caladium* and the brilliant *begonia* we find in almost any garden of moderate size; yet all these bright and curiously colored characters are difficult to bring into harmonious relationship; but the sober *black scabiosa* and the great white *somniferum* poppy are scarcely ever met with, although in the arrangement of a garden they easily adapt themselves to artistic conditions. Why is it we do not see them oftener?

The dwarf canna, rich in bronze green or light green foliage, with its bright scarlet, golden yellow, and spotted orange flowers, has always been judiciously used by gardeners except in one

respect; as a rule the plants are compactly grouped and so many are placed together that the individuality of each one is lost. If the canna was a shapeless plant there might be some excuse for such treatment; but on the contrary, its foliage is broad and effective and needs relief; particularly atmospheric relief. The better way of planting the canna is in a long row at the back of a winding bed of indefinite length; at its feet any compact dwarf plant looks appropriate, especially if the flowers are white. A few large white *Bride* poppies make excellent neighbors for the scarlet canna. I notice also, that in a certain garden the vicinity of a small bush of black alder (*Ilex verticillata*), with its brilliant scarlet berries, is no small advantage to the bronze green of a group of tall cannas.

The hardy chrysanthemum which lives in the garden the year around has its flowers offset by sufficient foliage to prevent any color discord; still it would be best to separate yellow from pink, and in setting out the plants I should alternate the colors with white; too much white in the garden is next to impossible.

Finally, I think it is wise for the florist and the gardener to bear in mind that the art of making a garden appear beautiful rests mostly with his ability to make an effective use of material at his disposal. One may have all of the best things in great plenty, and yet fail to place them together so they will not lose their true value. Sunflowers may be grown so their untidy feet shall be hidden by *nasturtium* and *alyssum*; blue delphiniums may be relieved by a bed of dwarf white phlox, and a dozen cannas can make an equal



AN EFFECT IN SCARLET AND WHITE: ALPHONSE BOUVIER CANNA AND BRIDE POPPY.

show with fifty if they are each one given a fair chance; but if sunflower, delphinium, and canna are crowded together without regard to color and form, if the ground beneath them is left bare and encircled by a prim ribbon border of dull and bright leaved *coleus* then one may bid farewell to artistic endeavor and cultivate the acquaintance of mechanical ingenuity. The true value of a thing it is the first duty of art to set forth; indeed, that is the *very calling* of art; but the mechanical effects so often mistaken for art which are presented to us in many of our American parks and gardens are devoid of any attempt to enhance the true value of a flower. If this is a fact, then some of our present methods of gardening are false to

truth and beauty. We need to reform such methods and return to simplicity and natural freedom. If I were to suggest what new method it would be best for a gardener to adopt, I should be inclined to say, make your flowers describe patterns against flowers up in the air, but never on the ground!

F. SCHUYLER MATHEWS.

Herbaceous Plant Notes.

Phlox suffruticosa is out in full bloom now; they are ahead of the *decussata* or *paniculata* section and in many respects are far more desirable than the latter. The elongated panicles are not so compact and stiff, and the individual florets do not crowd each other, altogether the plant and the racemes are more loose and graceful. The narrow sharp pointed leaves are of a dark glossy green and the flower stems thin and slender. Two crops of flowers may be had from them without any special trouble, and the late crop in September and October, when cut flowers are very scarce, comes in very handy for the florist. To make sure of a second crop all that is required is to cut down the flower stems after the first bloom is gone to within a few inches of the ground, and the plants will invariably make a second growth, which will flower in fall. I do not know why the *suffruticosa* section of *phloxes* should be neglected so, we find long lists of *P. decussata* in every catalogue, but not a single variety of *P. suffruticosa* is mentioned, and they are in danger of being lost entirely to the trade. The habit of the plant is very much dwarfer than the common *phlox*, 15 to 18 inches being their height.

Helianthus multiflorus fl. pl. is an old but also very useful plant for the florist; a great many of its flowers are sold over the counter every year from July to October. The color is a bright golden yellow and the shape is perfect, not too large under ordinary treatment unless planted in very rich soil. They attain a height of about 4 feet and should be planted at the back of the border or in the shrubbery. A desirable plant for all purposes.

Statice latifolia forms an evergreen, rosulate plant with broad oblong leaves of a rich dark green, very firm in texture; from the center or crown numerous thin but stiff flower stems will spring, which branch out and divide as they elongate until they form a dense head a foot above the foliage. Then the small blue flowers open out on the many spikelets and remain in perfection for months. These slender light and airy spikes may be dried in the shade and can be used with everlasting, retaining their color to perfection. A very useful plant flowering from July to September; 15 inches is as high as they will grow.

Bocconia cordata is a very handsome tall growing (5 to 7 feet) herbaceous plant with very ornamental, cordate roundish leaves, deeply cut into lobes; it flowers in large terminal loose panicles, bearing numerous elongated buff colored flowers. This is a fine plant for the center of a bed of cannas or mixed tropical plants and blooms in July and August.

Dracocephalum austriacum will bloom July and August freely in whorls of 8 to 10 flowers together on erect spikes 12 to 18 inches long; the color is a pure blue and the *salvia*-like flowers are nearly 2 inches long. A showy and free blooming species.

Linaria triornithophora is one of the best of the family, with reddish purple flowers and a bright yellow spot in the palate, it blooms on erect loose panicles,

the flowers coming out in whorls of 4 or 5, and it lasts in good condition from July to November, growing to a height of 12 to 18 inches. Should be planted in every collection, but like so many other pretty herbaceous plants we do not see it very often. We also have a rose colored variety with the same yellow markings in the palate, which is very handsome, and I have never seen it anywhere else; the flowers are produced with the same freedom and perseverance as in the parent plant. All *linarias* are very floriferous plants, doing well anywhere in the garden without any special care, and the large flowering kinds are extremely handsome. They succeed well on dry slopes or banks and in the rockery and will do the same in moist places or in the shade.

Saponaria officinalis is a mass of rosy white flowers from the latter part of June to September, and although a common everyday plant we always have a patch of it because it makes a fine show from a distance and remains in bloom so long; height 2 feet.

Hypericum Moserianum is a newer variety of the greatest merit for the border, not exactly herbaceous, but a low shrub of compact and clean growth. The five-petaled flowers are of a pure golden yellow, of very large size, 2 inches across, produced very freely on the tips of the young branches continuously from July to November. We were rather doubtful about its being hardy, but plants left out in the past severe winter without any protection are blooming now, although the tips of the branches were winter-killed and consequently had to be trimmed back, but I am confident now of it being perfectly safe to plant them out in any part of the country. The free growing habit of this variety and the large size of the regularly shaped flowers, together with its fine color, will undoubtedly cause this splendid border plant to be used largely as soon as it becomes known a little better. Height about 2 feet.

Heliopsis Pitcheniana is now beginning to open its handsome daisy-like flowers, about 3 inches across, deep yellow in color and a very profuse bloomer; valuable for cutting from July to September. A splendid perennial of easy management and free growth. Height 3 to 4 feet.

Eryngium coelestinum is a mass of bloom just now, and will last to the end of August in good shape. The oblong globose flower heads are of an amethyst shade, the upper part of the stems are also tinged a beautiful shade of blue. The plant is a very profuse bloomer and deserves a place in the mixed border or in the shrubbery, height 2 feet.

Lilium auratum planted last autumn are in fine condition now, spring planted bulbs will flower later. They should have a cool well drained bottom and partial shade; it is a good plan to plant the bed over with some densely growing low perennial like *Saponaria ocymoides*, *dracocephalum*, *Daphne Cneorum*, *Alyssum saxatile compactum* or the like so as to keep the ground shaded from the burning sun. The flowers will last longer and the flower stems grow much stronger if the ground is shaded. Where no such plants are available annuals may be used instead, or a good mulching will answer, but the latter is always more or less unsightly and therefore objectionable in a neatly kept place.

J. B. KELLER.
Rochester, N. Y.

Equalizing Temperature.

How can one equalize the temperature in two houses? Both are facing south; one 13 feet wide with 6 rows of pipes, the

other one 8 feet wide with 4 rows. The smaller house is built on to the larger and the wall left in. The smaller house is 6° lower than the larger one. By taking out the wall or partition between the two houses would the temperature be more equal?

C. F.

It would be much easier to answer these questions if "C. F." had stated a few more of the conditions, viz., what size of pipe, and if both houses were the same height. It isn't certain from his description whether the houses run parallel to each other and joined that way, or whether one is built on to the end of the other. I suspect the former is meant. I would say that if the houses are equally well built, if the pipes in the small house are just as hot as in the larger then the small house ought to be quite as warm as the larger, for there is as much heating surface in proportion to size in one as the other. Undoubtedly taking out the partition would help very much to equalize the temperature, and if you are not growing roses in either house it will do no harm to be out, but why trouble over it? a difference in temperature is often desired.

WM. SCOTT.

Lilium Speciosum Melpomene.

Your correspondent, Mr. G. C. Watson, on page 1232, July 6th issue of the *FLORIST*, asks what is the origin of this lily, stating that one of the largest importers of Japan lilies assured him that *Melpomene* was a native of Japan; and Mr. C. H. Allen also maintained that this sort was a native of Japan. The only light that the undersigned can throw on the subject is what Mr. C. L. Allen said a year or so ago to the effect that it was a seedling variety raised by the late C. M. Hovey of Boston, and further stated that it was somewhat darker than the true *rubrum*, but by no means an improvement on the type. He further went on to say that Mr. Hovey was quite successful in growing the *Lilium speciosum* from seed, and at one time had, of his own production, varieties named for each of the Muses; but with the exception of *Melpomene* none are in existence.

I am inclined to think that Mr. C. L. Allen and the records as taken from the transactions of the Mass. Hort. Society are correct.

E. RAWLINGS.

In reply to Mr. G. C. Watson's question in regard to the origin of *Lilium Melpomene* in last issue of the *FLORIST*, page 1232, would say that in an exhaustive list of lilies, their species and varieties, published in *The Garden* (England) February 21, 1885, is the following:

"*L. Melpomene* (Wall. Notes, pages 65 and 152). A hybrid from *L. auratum* and *L. speciosum*, and described by Dr. Wallace as being one of the finest varieties raised by Mr. Hovey, president of Massachusetts Horticultural Society."

ALEXANDER MACLELLAN.

Newport, R. I.

Cutting Back Chrysanthemums.

At what date should the last nipping back be given chrysanthemum bush plants in pots? Does it injure the plant to cut it back 6 to 8 inches?

SUBSCRIBER.

Chrysanthemum plants in pots may be nipped back until about the middle of August. In regard to cutting back six or eight inches I would say that it could be done early in the season, but it would be



VASE OF OUT-DOOR FLOWERS.

a very bad thing to do later on. It is better to simply nip out the tip ends of the branches before they get long enough to need to be cut back so far. A.

Vase of Outdoor Flowers.

We present in this issue an illustration of a vase filled with a variety of outdoor flowers, such as may be found in bloom at this season of the year, the flowers used being hollyhocks, *Spiraea sorbifolia*, white perennial phlox, achillea, a bunch of the common field daisies and gaillardia, with a few coarse ferns.

The arrangement is showy and inexpensive, and quite desirable in a room decoration. The cost price of this material would figure up about \$1 to \$1.25 at current prices.

Bone Meal.

Under the head of "Carnation Notes" in July 6 number of the *FLORIST* Mr. Chas. H. Allen in talking about preparing soil for carnations advises that the bone meal be left out of the compost until the *last turning*. Mr. Allen must have some good and sufficient reason for making such a statement or he would not have made it. I, for one, would like to

know what were his reasons for advocating such a course. One of the reasons why I ask this question is that it is generally understood by practical growers, and which I believe has been advanced by scientific men who make a study of these matters, that the bone is so slow in decomposing in the soil that it is claimed that much of the plant food known as phosphoric acid which the bone contains is not used to the best advantage in our operations with growing plants under glass for cut flowers, that is to say much of the material has not been made use of by the plants at the end of the first year. Now, it seems to me that the sooner the bone is put into the soil the better, as I have been lead to understand that the action of the soil upon the bone causes the phosphoric acid to become more available for plant food, being more in a decomposed state, and is less liable to leach away than is the potash in wood ashes, which Mr. Allen advocates being used at a much earlier stage in the preparation of the soil. Though, as I understand these different elements, neither potash or phosphoric acid are as volatile as is ammonia, or rather nitrogen.

Am very much interested in soils and plant foods in general, and am very anxious to learn all that I possibly can about

them. Mr. Allen will please excuse me on those grounds for asking the question.

E. RAWLINGS.

A Berkshire Industry.

In a veritable wilderness, 2,000 feet above the sea level, on the rugged slopes of the far-famed Berkshire Hills—here is the home of the "lace" fern and the "dagger" fern, which in latter years have become so indispensable for the florists' work, in the gathering of which hundreds of the thrifty country folk find remunerative employment. "Common" ferns we call them because, as with a good many other things that we lightly esteem, nature provides them lavishly without any assistance from us, but they are none the less beautiful on that account. Grown in the shade of rock maple, hemlock and balsam forests and moistened by the spray from splashing mountain steams, their texture is as delicate and their green as soft and rich as that of the most cherished pets of the conservatory.

It has only been within ten or twelve years that the use of these native ferns has become so general as to support a business devoted exclusively to the collection and shipping of these and other goods of a similar nature. Mr. L. B. Brague, who has done so much to build up and systematize this trade, stores no less than seven millions of ferns every fall for the winter demand. From October 10 to November 1 is the time when the collecting is done. Mr. Brague alone gives employment to from 60 to 200 people during this period. The pickers are paid so much per thousand, and make all the way from 1.50 to 3, or even 4 dollars per day, according to their proficiency. Care in handling is necessary to avoid breaking the tips of the fronds, which are tied, 25 in a bunch, and packed on the floors in large barns constructed for the purpose, in layers a foot deep, and well covered with damp sphagnum. One house is provided with double walls, and the space packed with snow to provide cold storage for a quantity sufficient to last from the opening of spring until the new crop is properly matured for use, which in this latitude is about June 10. From this time on through the summer picking is done in quantities sufficient only for the present demand as it comes in from day to day.

The ferns are found almost exclusively on the north exposures, and where the shade is not too dense. Fall picking, when the plants have matured their growth, does not appear to injure them, but where summer picking is done the plants run out rapidly. The spray fancy or lace fern, *Aspidium spinulosum*, is the one in largest demand. The call for the dagger or sword fern, *Polystichum acrostichoides*, is confined mainly to the eastern cities.

Another branch of this industry which has attained large proportions within a few years is the collecting of spruce boughs for lining graves and covering them in the winter. The branches are cut about three feet long and pressed in bales of 100 pounds weight. This trade is steady throughout the year, and Mr. Brague gathers about fifty tons for the winter demand. For Christmas trees spruce seems to be the favorite in the west, balsam in the New York market. There is no foundation for the prevalent notion that the cutting of these Christmas trees devastates the forests. Trees to be available for this trade must be full and symmetrical, and the proportion of such specimens in a spruce forest is very small.

Sphagnum moss is gathered all the year round. A peculiarly shaped forked hoe is

used in collecting it. A moss swamp will yield a crop once in two years. Live moss is necessary for orchid growers' use, but for florists' purposes the moss is dried and then sifted, the refuse dust being used as bedding for horses. Bouquet green, which once had a great sale among the florists, is now but little used. From October 1 it is gathered extensively, to be made up into wreathing for the holidays. Continued picking has impoverished it, however, in this section, and large quantities are shipped here from the west, where it is found in great abundance, but of coarser growth than in New England.

Sweet Peas for Cut Flowers.

Mr. M. Lynch, the well known sweet pea grower, who makes a specialty of these flowers in San Francisco in the wholesale trade there, finds the following varieties most in demand and undoubtedly the best of their respective colors in the solid colors in the order named: White, Emily Henderson; soft pink, Blushing Beauty; bright rose pink, Her Majesty; lavender, Countess of Radnor; scarlet, Firefly; nearest yellow, Mrs. Eckford. Other very desirable cut flower kinds, Lady Beaconfield, Venus and Lady Penzance.

The Marguerite Centaurea.

We present an illustration of this beautiful centaurea, which is of recent introduction from Italy, where it originated a few years ago, receiving a special award by the Horticultural Society of Florence in 1893. It is a sport from *C. odorata*. The flower is the size of a medium carnation, pure white and sweet scented, and its lasting quality after being cut is remarkable. Although a biennial it flowers the first year from seed.

Mr. Swenson of Elmhurst, Ill., so far as we know, is the only one in the vicinity of Chicago who has given it a trial. The blooms when sent to market created quite a sensation, everyone who has seen it pronouncing it one of the most valuable introductions of late years. It is a fine thing for cutting and sells on sight at good prices.

Mr. Swenson informs us that he sowed the seed in a hotbed in March, treating it the same as any annual. It commenced flowering the latter part of May and is still in full bloom at this date, July 10. For early flowering Mr. S., who makes the growing of outdoor flowers for market a specialty, thinks that fall sowing would give better results; at any rate he will give that plan a trial.

This variety generally comes true from seed, but occasionally a few sports are found of a carmine rose color with a white center. This shade also is very desirable in a cut flower and appears to sell equally well.

Pittsburg.

The regular meeting of the Florists' Club was held Tuesday evening, July 9, with Mr. E. C. Reineman in the chair. There was a good attendance and each of the committees report a flattering outlook for the coming convention; each and all are hard at work and there is no doubt of success.

The Fourth, well known as the day of days in Pittsburg passed off with a "hurrah" at Schenley Park; the day was a beauty, the crowds of visitors the largest ever know, good order and the greatest list of attractions ever offered. The leading ones the unveiling of the Bigelow

monument erected by public subscription, the second one erected in the U. S. to a living man, addresses by Gov. Hastings, Hon. Jon. Dalzell, Judge Magee, H. I. Gourley, Major Morland and others, then came the balloon ascension, wire rope walking, athletic sport, hurdle, chariot, pony, donkey, and running races, and the fire works to close the day were grand.

At the Phipps conservatories the glonxias are making a fineshow. Supt. Bennett is preparing for a grand chrysanthemum show this year. Everything about the conservatory is doing finely.

Reports of the trade are good; all seem to be doing well.

Superintendents Bennett and Burke started Monday night for a trip east to look at parks and park improvements; they will visit Buffalo, Rochester, Albany, New York, Brooklyn and Philadelphia.

BROWN.

St. Louis.

Trade is really good for this time of the year; the market is not overstocked and the quality is still good. The past few days we have had some heavy showers, starting outside stock to growing and looking better. Prices have dropped a little.

The committee on chrysanthemum show held a meeting at Fred Weber's store Friday night, July 5, all the members being present. Mr. E. H. Michel is manager of the show. Special prizes have been offered by the following well known firms: Michel Plant and Bulb Co., Wm. Schray, Fred C. Weber, F. J. Fillmore, E. H. Michel, C. A. Kuehn, Connor Floral Co., C. W. Wors, R. F. Tesson, St. Clair Floral Co., Ostertag Bros., James Gurney, Bucksahrt & Berning, George Waldbart and Wm. Pape. The show will be held in the Entertainment Hall, Exposition Building, November 6 to 10. Address all correspondence to Mr. E. H. Michel, manager, corner Magnolia and Tower Grove avenues.

The military encampment at the Fair Grounds had a tendency to work off some stock for the florists this week. C. Young & Sons sent out a large shield with crossed swords, standing about five feet high; it was admired by all who saw it. The Jordan Floral Co. also had a few designs and one very large bouquet of Beauties. Riessen Floral Co. have also been very busy for the encampment, in fact all the florists had some flowers to send out to the Fair Grounds this week.

John Stiedle is moving his greenhouses from his present location, 1900 Belt avenue, to out near Clayton; has purchased some five acres of ground there to grow for the trade. He will be good company for Tom Carroll, who is within a stone's throw of him.

The picnic committee met again last Wednesday and made out a list of prizes; our prizes this year will cost \$75, last year they cost \$58. The prizes are very handsome and useful both for the ladies and gentlemen. The Riessen Floral Co. has given an arm chair for a ladies' prize.

THE BOWLING CLUB.

Wednesday night, July 3, the Japs won again by a score of 2,854 to 2,823. E. Schray of the Chinese team made the banner score, 259. This was the last game of the summer series. Carl Beyer Sr. again wins the average medal, his average in 12 games being 180 7-12. Emil Schray wins the lucky medal for the highest single score, 259, and C. C. Sanders wins the unlucky medal. The Japs won the series, their score for 12 games 5 men to a team, being 9,445, average

per game 855 1-12. Here are the scores of last Wednesday night:

THE SCORE.

JAPS.				
Names.	1	2	3	Totals
Waldbart	135	148	169	452
C. A. Kuehn	151	151	142	447
H. Young	151	179	184	511
C. Beyer	122	203	179	504
F. Fillmore	97	154	138	389
J. J. Benecke	179	190	182	551
Totals	838	1025	991	2854

CHINESE.				
Names.	1	2	3	Totals
J. Young	109	154	160	423
Rob't Beyer	184	150	165	499
Fred Weber	115	128	161	404
E. Schray	95	259	141	498
D. Helwig	125	206	214	545
Kunz	156	156	142	454
Totals	787	1053	983	2823

J. J. B.

Boston.

The flower committee of the Massachusetts Horticultural Society went to Woods Holl on July 3 to see the new hybrid perpetual rose, M. H. Walsh, in its native home. What they found is expressed in the fact that they awarded to the originator, Mr. Walsh, the society's gold medal. Mr. Walsh entertained the visitors most hospitably, and they spent a most enjoyable afternoon inspecting the large number of promising seedlings. Among the most notable of those that have bloomed, is a cross between Merveille de Lyon and Dinsmore, which is a half red and half white. Another between Victor Hugo and Camille de Rohan is unexcelled in color, fragrance and foliage. Victor Hugo itself stands in the first rank. No other rose can equal its dazzling color. The cross between Her Majesty and Gloire de Dijon mentioned in these notes recently is coming into bloom again, a good point in its favor. That between Jacq. and American Beauty is also coming up for a second crop. These roses all stood the winter perfectly, and it has the distinction of having been the most trying winter for twenty years. Mr. Walsh is looking ahead to the winning of new laurels. His particular ambition now is to get a cross between Wm. Allen Richardson and Kaiserin.

The exhibition at Horticultural Hall on July 6 was of the usual excellence. Hollyhocks, Japan iris, roses and promiscuous herbaceous flowers were the main features. J. W. Manning showed flowers of the pretty little new climbing rose Empress of China for the first time.

Mrs. Wm. Doogue, wife of the superintendent of public grounds, died on Sunday, 7th inst., after a long and painful illness.

Visitors in town. Jas. B. Kidd, San Francisco, Cal.; D. B. Long, Buffalo, N. Y., and D. McRorie, South Orange, N. J.

Smith & Winchester, manufacturers of heating apparatus, have assigned.

New York.

Without exception this is the duller period on record in New York's floral annals. There are precious few flowers in the market, but this causes no complaining, for no one has any use for them. Testout, Kaiserin and Meteor are in fairly good quality; other roses about as poor as can be, American Beauty worst of all.

The Florists' Club met on the evening of July 8. Eight members braved the sultry weather. All they learned was that a round trip rate of \$14 to Pittsburg and return had been secured. The Board of Trustees will meet on Monday, July 15, to see what arrangements can be made for a small chrysanthemum show to be held next fall.



THE MARGUERITE CENTAUREA.

Buffalo.

No one expects to be very busy just now, and so nobody is much disappointed. There is the usual trade for this time of year, although it can be remarked truthfully that so far the season is healthy. We have not lost a premier, as they did in Canada; we have not lost even a ward politician that I am aware of, so business is slow.

I am awfully glad to tell you that there was a large and enthusiastic meeting of the florists' club on Tuesday evening last at the office of D. B. Long. The writer was unable to be present, but from authentic reports it was one of the old time gatherings. After the routine business had its attention the convention at Pittsburg was the all important topic. It behooves Buffalo to send a good crowd to that more than hospitable city, and they are bound to select some good howlers and shooters to represent our club in the contests. They decided to select a man to select a bowling team, and another to look after the shooters. Edward I. Mepsted is the bowling magnate, and Prof. J. F. Cowell the shootist. I don't think a better selection could possibly have been made. Although they are both growing old, they know the spirit and temper of the boys better than any two men you could spot in the club. Mr. Long was out of town, so the duties of host devolved on Mr. Wm. (better known as Billy) Kasting, who they say put up a much better display than his employer ever did.

I was glad to see by Mr. Ewing's notes in the FLORIST that there is likely to be a delegation of good size from Toronto.

Remember, Canucks, not a single individual was present at Atlantic City to represent your vast and roomy dominion. A committee on transportation was appointed at the meeting of the club, so if the secretary of the Toronto Club will communicate with our secretary, Mr. Wm. Legg, 889 West Delavan avenue, he will give you the whole particulars. The journey is short from here; you can leave at 10 p. m. and be in Pittsburg at 6 a. m., and have the choice of more than one route. Expense is not worth talking about on such a short journey, and we sincerely trust that a good many of the Canadians can join us.

Some illustrious visitors have been with us this week. Mr. Wm. T. Bell of Franklin, Pa., Mrs. Bell, three sons and daughter gave a short call on their annual summer outing, which is from their home to the St. Lawrence, down that majestic river to Montreal, then to the White Mountains of New Hampshire, next to the "Hub," from there to New York and up the Hudson by daylight to Troy, and then home. What a trip as an educator, but what is more worthy of note, how many florists take out their whole family in this way? Too many of us go away for a good time and leave the old woman at home. Mr. Bell is a model philosopher, and though not as well known to the horticultural world as many flippant writers and talkers, is one of our really great minds in the profession. Next to the liberty bell in Philadelphia he is the greatest Bell we know of.

Mr. Gus Bennett and Mr. George Burke of Pittsburg arrived in town yesterday.

You can imagine how pleased we were to see them. The writer did his best to show them all there is of this flat and well-paved city. He introduced them to our park superintendent, Wm. McMillan; Capt. James Braik, assistant superintendent; and to George Troup, the superintendent of our unequalled Forest Lawn. Everything was talked about from old Gen. Grant geranium up to Sambucus aurea. Bridges in Pittsburg to cost \$180,000 were mentioned, which made our own diffident Mac. fall off his wagon. But, as Mr. Bennett says, they are in the construction age, while we are near completion. By a strange combination of circumstances not at all intentional we passed a place where the sign read "Bowling." Much against my wish a halt took place, and I have only to say that if Messrs. Bennett and Burke are not good enough to be in the six in the tournament they must have a dandy crowd, and Keppler will have to look out. W. S.

Lenox, Mass.

The first rose show of the Lenox Horticultural Society was held in the Assembly rooms on June 26 and 27. The splendid private greenhouses and gardens of Berkshire county were drawn upon to an extent sufficient to fill the hall with a very pretty exhibition tastefully arranged, although it was a rose show more in name than in fact, for roses formed but a small part of the display. Groups of choice plants occupied the central floor space, and the cut roses, flowering shrubs and herbaceous flowers were arranged on tables around the sides. The white walls of the hall were artistically decorated with plaques of mountain laurel in bloom and hemlock boughs.

The principal rose exhibits came from G. H. Morgan, D. W. Bishop and M. K. Jesup. In Mr. Morgan's exhibit of cut flowers were fine collections of herbaceous and shrubby flowers. Promiscuous displays also came from W. G. Henry, Erskine Park and Wm. O'Brien, annuals from Chas. Lanier, superb sweet williams from M. K. Jesup and dahlias from Jas. Paul. Martin Finaghty represented the nursery trade with a comprehensive group of flowering shrubs.

The plant exhibits were very fine. Chas. Lanier (A. H. Wingett, gardener) showed a group of ferns, anthuriums in bloom and bright colored crotons, a specimen *Nephrolepis exaltata* with a spread of nearly ten feet, and a bed of pansies in pots that would be hard to beat. G. H. Morgan (J. F. Huss, gardener) showed a good lot of palms and stove plants and finished off the group most effectively with a border of begonia *Vernon* in pink and white varieties. A bench of tuberous begonias from the same exhibitor was also very fine. An elaborate mosaic bed of *alternantheras*, *echeverias*, etc. from W. G. Henry attracted much attention from visitors.

The trade was represented by handsome groups of new and rare plants from Pitcher & Manda, Short Hills, and W. A. Manda, South Orange. W. A. Manda's exhibit comprised orchids in bloom and stove plants, the central figure being a beautiful specimen of *Araucaria excelsa compacta*. Pitcher & Manda's group occupied a prominent position and included seventy-eight species, among the rarest of which were *Kentia Dumoiniana*, *Kentia Belmoreana variegata*, *Dieffenbachia Shuttleworthii* and *Araucaria glauca* Joseph Napoleon Baumann.

Certificates of merit were awarded to W. A. Manda and Pitcher & Manda for

their exhibits, to Pitcher & Manda for skill in culture of *Odontoglossum crispum*, to Chas. Lanier for Manda's set of new coleus and to Erskine Park (E. J. Norman, gardener) for *Coreopsis lanceolata* Harvest Moon.

A jolly party of eighteen gardeners with their ladies came over from Pittsfield in a tally-ho. Among them was A. P. Meredith, gardener to Col. Cutting, and much regret was expressed at the news that this well kept establishment was to be closed up. The boys all hope they will not lose Mr. Meredith from Berkshire county. Other visitors to the exhibition were W. A. Manda, C. B. Weathered, D. McRorie, J. H. Troy and W. J. Stewart, the latter acting as judge.

J. F. Huss entertained his friends with characteristic hospitality and escorted them about the beautiful estate of which he has charge. They were especially interested in the rose gardens, where the rare sight of high grafted standard roses in full health and bloom met them. Mr. Huss has had these plants two years in their present location. They are bent over and protected with a covering of soil and litter through the winter.

Philadelphia.

The weather has been quite cool for the last few days, the evenings being so that blankets are in demand, a state of affairs very unusual for this season of the year. There has been considerable wet weather of late and this has had a bad effect on the geranium beds in the parks and private grounds. All other bedding stock looks well, particularly beds of crotons. The new plant *strobilanthes* is coloring up well and is bound to be a fixture in future lists of decorative lawn plants.

Business in the stores is at a very low ebb, occasionally a funeral order brightens things up a bit, if we may be excused for using the simile, but beyond this nothing occurs worth recording, at least in the cash book, and this is the only record that counts. A few sleepy carnations are still to be seen, sweet peas are plentiful, and these with some fair roses about completes the assortment. Beauties are all cut out about here; no one seems to have a summer crop, or if there are any they are not on the street to be bid for.

The H. A. Dreer Co. are about making an addition to their plant that would make a good sized place of itself. It will cover an acre of ground. It is to be built adjoining the present houses on the east side; the houses will be one hundred and fifty feet long with no dividing walls, the gutters being supported on iron arches, walks will be laid out in this space, thus utilizing valuable room that is frequently wasted. The center and side beds or tables are to be of the same width, so that all the plants can be reached with the hose. They hope to have this addition in full running order before cold weather sets in. Their entire stock is in splendid condition and business is better than they have ever experienced at this season of the year. A chartered car load of choice palms and other like stock for Mr. C. B. Whitnall of Milwaukee was one of their orders of last week.

Whether George Anderson or Wm. K. Harris bears the palm as a wing shot is what is agitating these two gentlemen in particular, and a number of residents of this city who are unfortunate enough to reside in their neighborhood, the latter folk can't slumber in the morning, nor take a nap in the afternoon on account of the incessant noise first from one side and

then from the other. It is a small edition of the Fourth, going on all the time. Traps of the latest pattern are none too good, and blue rocks are brought by the barrel. Such is fame.

Wm. F. Dreer has arrived home from his long trip to Japan looking very well. He speaks very enthusiastically of his visit and of the Japanese and their love for flowers, which is unbounded.

Jacob Becker will shortly move into his new house at the corner of 49th and Chestnut. K.

Chicago.

Although the market is quiet as may be expected at midsummer, there is sufficient demand to consume all the good stock coming in. Roses are limited in quantity, all of the old plants now being thrown out, and they sell out clean daily. Beauties are very short in supply, and the demand good; first quality still stays at \$2 per dozen. Carnations are also in good demand, the best going at \$1.50 per 100, certainly an exceptional price for this time of year. Some fine Silver Spray, Tidal Wave and Daybreak are in.

Of the outdoor stuff sweet peas are rather better than they were, but it has to be very good stuff to bring 25 cents a hundred; most of it goes for 10 cents. Cornflowers are plentiful at 6 bunches for 25 cents; some very pretty pale pink shades are seen, but blue has the preference. *Iberis* in liberal bunches sells for the same price; it is much used for funeral work. Phlox, white and magenta, is plentiful, but not a very good seller; hollyhocks are abundant, and there is plenty of ox-eye daisies, *gaillardias* and *coreopsis*. The wholesale men and growers say generally that they have nothing to complain of this season.

Aug. Grossman has rented his establishment at Bowmanville to Weber Bros., who will continue to grow a general stock of cut flowers. Mr. Grossman for the present retires from active business.

Frank Calvert and wife of Lake Forest will leave for England in a day or two.

Mr. Julius Niesen, city buyer for E. Wienhoeber, is doing the east.

Mr. C. T. Neiglick, also with E. Wienhoeber, is making a tour of the lakes.

John Richter, formerly of Chicago, and now of Duluth, Minn., is in town this week.

Recent visitors: F. A. Baller, Bloomington, Ill.; J. Austin Shaw, representing Siebrecht & Wadley, New York.

BASE BALL NOTES.

The much talked-of first game of ball between the wholesale and retail men took place on Sunday, July 7, and was played in the paddock of the old Garfield Park race track. The teams lined up in following order:

RETAIL.	WHOLESALE.
P. J. Hauswirth, 2b.	G. W. Scott, c.
Ed. Conley, ss.	L. P. Kelley, lf.
—Kvle, lb.	Chas. Balluff, 2b.
Joe Curran, cf.	Ed. Winterson, p.
Gus Balluff, lf.	W. W. Randall, lb.
Jack Miller, 3b.	M. Cullum, rf.
W. Kreitling, p.	Chas. McKellar, cf.
Jimmy Curran, c.	Carl Thomas, ss.
W. E. Stevens, rf.	F. Strail, lf.
Al. Weber, umpire	F. F. Benthey, official scorer.

If the game was not played on scientific points throughout it proved one full of hilarious fun, and was hugely enjoyed by the members participating as well as the crowd of spectators. The game proceeded with that thorough good nature not often found on the ballground. The total absence of the usual wrangling over the decisions of the umpire was a notable and commendable feature of the game. This was doubtless owing to the

selection of the umpire himself. None of the fraternity—neither wholesale, retail nor grower—could be found rash enough to accept this responsible position unless a substantial iron cage be provided as a place of refuge in case of impending trouble. The situation was finally solved by selecting the burly form of Al. Weber, one of our city "coppers," well known to all the boys as a thoroughbred scrapper. This fact, as was stated above, was probably responsible for the good behavior of the boys.

Well, the game was red hot, and so was the weather. Old Sol kept beaming down on the boys with such a persistency that anything but a ball game would have been no temptation to face it. And then through some mistake the promised liquid refreshment didn't materialize and the crowd was a thirsty one indeed, until a wagon loaded with a barrel of lemonade hove in sight, which duly anchored alongside and dispensed a brand well known to all picnickers at 5 cents a throw. Now it is a strange fact that up to the time this delicious beverage arrived the retail boys were unable to solve the mysterious curves of Ed. Winterson, but after this new life was imparted into the team, which resulted in 5 runs in the third inning. The effect on the wholesale boys seemed to be just the opposite; they were evidently not used to this particular brand, and after making 10 in the first and 7 runs in the second dropped down to 1 in the third. It is the firm belief of the retail boys to-day that had the game been played to the last inning, providing the lemonade wagon had stopped with them, they would have won the game.

Ed. Winterson and Scotty were the battery the wholesale men presented, and W. Kreitling dished up the curves for the retail boys, with Jimmy Curran to hold them. Both pitchers also acted as captains for their respective teams. Both gentlemen are known for their vocal powers, which it is needless to say were freely used. But both did good work also in their positions, but friend Walter was no match to our redoubtable Ed, as the results showed. Both catchers played a fine game behind the bat. Scotty also distinguished himself by rapping out two home runs. Jack Miller for the retailers tried to play first base in the first inning. For some reason, however, Jack's fingers and the ball never could make connection, to the intense amusement of the spectators and the disgust of his captain. He was transferred to 3d base after that, in which position he kept dodging the balls in the most approved style. No game would be complete without Joe Curran; he played center field, and if Joe didn't always catch the ball that wasn't his fault. But his base running was a feature of the game. How Joe ever got on the bases is a mystery, for he doesn't lay any particular claim to be handy with the stick, but he got there just the same. To see Joe turn a couple of somersaults and then make a desperate slide for a base, covering himself with dust and glory, was a sight to behold. His trousers are ruined, but what of that? To speak of the achievement of all the boys would fill columns. All the boys played well, the number of runs made proves that. Here is the result for the seven innings played: Wholesale 30, retail 12.

But the fun didn't end by any means when the game was called at the beginning of the eighth inning. A thunder storm had been brewing for some time, but all were so intent on the game that its approach was unnoticed until a furious gust of wind sent the crowd scamper-



THE CHICAGO WHOLESALE AND RETAIL FLORISTS BALL TEAMS

ing for the nearest shelter three blocks away. Ed. Winterson stayed long enough to see his enemy, the lemonade wagon, turned bottom side up, scattering its contents to the four corners of the earth. The last that was seen of Ed. he and the owner of the aforesaid lemonade wagon were bravely trying to brace up the back stop, behind which they had sought shelter. The attempt, as proved afterwards, was futile. Whether the back stop had a grudge against Ed. or whether the gale was too much for it is a mooted question. But down the back stop went, burying our brave pitcher and his luckless companion beneath the debris. Besides a thorough ducking, however, our friend Ed. is all right again. Larry Kelley, Randall, Benthey and our valiant umpire and preserver of the peace brought up the rear of the crowd fleeing for shelter. This quartette was caught right in the midst of the tempest. There wasn't so much rain at first, but just enough to make a black and sticky paste of the clouds of dust, and it is safe to say that their most intimate friends wouldn't have known them when they arrived at the end of the race.

The next game of the series is scheduled for July 21, and will be played at Riverside. Court plaster, St. Jacob's Oil and horse liniment are now in active demand, and with its liberal application it is hoped the boys will be in good trim for the next game.

BOWLING.

At the practice games last Thursday night the scores were decidedly erratic. Here they are:

				Average
J. S. Wilson. . .	133	164	187	160
G. L. Grant. . .	195	160	156	195
E. Winterson. . .	207	154	172	183
Chas. Held. . .	193	185	195	191
A. McAdams. . .	175	124	141	147
F. Ohlund. . .	184	172		178

St. Paul.

Trade is quiet, though there has been an unusual amount of funeral work the past two weeks. Good greenhouse stock is not very plentiful, while white flowers are quite scarce. Sweet peas are inclined to be a drug, and sell but slowly. The season's trade is ended, and the growers are busy preparing for another year. Roses, as usual, will be the predominating flower. But very few Mermets are grown in this section; Cusin and Watteville are grown in limited quantities. Several of the growers are planting the Belle Siebrecht. For red Meteors and Wootton

are principally grown, though a few still hang on to Papa Gontier; if well grown, this variety is as good as any red rose yet introduced.

Frequent rains have kept outside stock looking fine, and carnations are away ahead of last year. Beds in the parks and lawns are likewise very beautiful, and give the city the appearance of one vast park. Where one flower was seen a dozen years ago, hundreds are seen to-day.

A review of the season's business finds most of the florists well pleased. In the line of cut flowers sales have shown a decided increase, while the quantity and quality were an improvement on previous years. In the plant line sales have been somewhat slower, and prices hardly as good as in previous years. One great detriment to the plant trade in this city is the large number of interior plants offered on the market. Good stock will command good prices, but oftentimes good stock at reasonable prices will not sell, when inferior stock will.

L. L. May has returned from an extended eastern trip.

Chris Hansen is just recovering from a severe bone felon, which leaves his finger stiff and disabled. FELIX.

Baltimore.

No one interested in horticultural matters can complain of the weather, for though excessively hot now and then there is always a rain followed by refreshing breezes, just before the heat becomes intolerable. All of which goes to show that the scribe's belief in "a sweet little cherub that sits up aloft" to look out for the florist man has some foundation; for in these hard times expensive sojournings by the sea or in the mountains are not for the majority. Speaking of hard times, a certain florist here was heard to remark the other day, "Business is about as good as it was in winter. We can't complain." This is the only report of its kind yet.

At the club meeting Monday night there was a good turnout of members, and wide awake at that, as the lively interest taken in debate proved. Possibly the most animated passage at arms was over the question of tubs or pots for the unlimited class of plants at the fall show. Mr. Jno. Donn argued at length for tubs, claiming that in no other way could the size be really unlimited, while others thought that as the schedule adopted said pots, pots it should be, whether unlimited or not. Mr. Christie did not want any Irish show in green tubs, a motion having

been made to have tubs allowed if painted green. The motion was finally carried. Two special premiums, from private parties, for the show were received with thanks, after which the question box being opened Mr. Jas. Pentland gave his method of growing poinsettias. After blooming lay them on their sides under the benches till June, then cut back to one eye of the new growth and plant outside in very rich friable soil. Give one pinching back and when potted up place in hottest part of house, keeping shaded and moist for awhile. If grown on richly bracts would be very large. Mr. Jno. Donn used much the same method, but grew in boxes, which when brought in and placed on benches had the sides removed, then by filling interstices with soil plants were secured without in the least disturbing the roots.

When asked at what season to sow cinerarias and primulas for Easter blooming Mr. Jas. Simpson said September; Mr. Chas. Hamilton mid-August. All the members present stood up when asked who were going to attend the excursion to Bay Ridge, so the success of the trip is assured. Mr. E. A. Seidwitz has invited all over to Annapolis to share his hospitality, and no doubt a large crowd will take the additional trip.

Madsen & Anderson are putting up two new rose houses 20x100 feet. Mr. G. V. Smith is putting up a lofty palm house on Mr. Chas. Hamilton's old place. MACK.

Washington.

Since the close of the public schools and all commencements are over, there is really nothing doing, excepting an occasional wedding decoration or a funeral order. At this season the society people are all out of town, either recuperating at the sea shore or mountain resorts.

Peas are scarce and of poor quality, owing to the continued damp weather. Dahlias and gladiolus have also been affected by the cool and moist weather.

Roses are not over-plentiful, but fully up to the demand. Kaiserin seems to be the rose for summer blooming, going far ahead of the Bride, and is growing in popularity every day. Maman Cochet makes a good pink for summer cutting, but I am told is not so good for winter forcing. Golden Gate is also growing in popularity and proving itself a valuable acquisition to our summer roses.

Lotus are coming in nicely, and while the demand for them is somewhat limited, they bring from \$2 to \$3 per dozen. Pond lilies have become so plentiful that the street fakirs are selling them at such ridiculously low prices that it does not pay the florists to handle them.

The Denver Wheel Club visited our city last week on their way to the great cycle meet at Asbury Park. The visitor spent Saturday in seeing the sights of the city, as the guests of the Georgetown Club. Mr. and Mrs. A. E. Mauff strayed from the club, and put in a few hours in the houses and grounds of the Botanic Garden. Mr. Mauff is in the florists' business in Denver, and was interested in everything, particularly the trees. He says the eastern florists are away behind the west in carnations.

J. L. Loose is busy erecting the first of a new range of houses at his place in Alexandria, Va. This one is 40x175, for roses. There will be a fine propagating house on the north side. He will change his heating system from steam to hot water. He finds that it pays to grow orchids for this market, and will increase the supply of these flowers. He has an immense stock



DELIVERY WAGON FOR LARGE PLANTS.

of adiantums, especially Farleyense and cuneatum. He has a thousand or more Farleyense in 5-inch pots, the finest I have ever seen, which he is at present shifting. The demand for ferns is increasing each year, more particularly for Farleyense, which with most florists is a hard fern to grow.
REYNOLDS.

OBITUARY.

Died in Atlanta, Ga., Sunday, June 30, after one week's illness, Thos. H. Brown, Vice-President of the Society of American Florists for Georgia, aged 25 years. Mr. Brown was manager of the greenhouse department of the Brookwood Floral Co. of Atlanta. He was formerly with the West View Floral Co., making a change a few months since. He was born in Belfast, Ireland, and has been in this country about five years, one-half of which time he has spent in Atlanta. It is with feelings of deepest sorrow that I record the death of this most excellent and promising young man. He was a man of sterling qualities, true hearted, full of enthusiasm and love for all that is beautiful in nature. He was much respected and loved by all who knew him, being a prince of good fellows, full of native wit and generous to a fault. His untimely death is a great blow to his many friends, especially to the writer of these few words, who had grown to love him very much and had experienced his kindness while passing through a very serious illness some months ago when living in Atlanta. He was a member of Georgia Lodge of F. and A. M., and was buried in their lot in Oakland Cemetery with Masonic honors on July 2. WILLIAM PLUMB.
Oyster Bay, N. Y.

WOODSIDE, N. Y.—V. S. Dorval is about to build one house 20x150 and another 12x100 for carnations.

Delivery Wagon for Large Plants.

The accompanying engraving is from a photograph of a delivery wagon recently built to order for Mr. Wm. J. Halliday, Baltimore, Md. It is 12 feet long, 5 feet wide and 8½ feet high, fitted with hot water heating apparatus for use in cold weather. The picture shows its several advantages quite plainly.

Exhibition Rules of the New York Florists' Club.

The following rules governing the exhibition of novelties which have been adopted by the N. Y. Florists' Club may be of value to other similar organizations having such exhibitions in prospect:

Rule 1.—For an exhibit of any new variety of florists' flowers or plants the committee would make it absolutely necessary that the initial exhibit of such flowers or plants be made at the regular meetings of this club, and the exhibitor of said novelty shall give at least ten days' notice in writing to the secretary before the meeting at which he proposes to exhibit.

Rule 2.—Anyone showing a novelty with the intention of obtaining the club's indorsement in any way the committee may recommend, either as a certificate of merit or a medal, or both, shall conform to the rules laid down by them for their guidance, as herein stated.

Rule 3.—Any exhibit of a novelty in the shape of cut flowers at the regular meetings, if considered of sufficient merit by the committee, they, or a portion of them, shall visit the place where it is growing, and if after careful examination of the same they deem it worthy of the club's indorsement, they shall award the same; but if in their judgment it appears advisable to defer the same till a second visit be made, they shall be at liberty to so decide.

Rule 4.—Points of importance that must be considered in judging novelties, 100 points as follows:

20 points for color.

15 " " form.

15 " " size.

15 " " stem.

15 " " distinctiveness.

10 " " foliage.

10 " " depth and substance.

In judging roses and carnations the committee shall at their opinion substitute 15 points for fragrance in place of the 15 for distinctiveness, as above.

Rule 5.—When a *new plant*, such as will be grown in pots generally, is brought to this club's meetings, if the committee is sufficiently satisfied as to its distinctive merits and other qualities without comparing with others of the same or nearly allied species, they shall be empowered to give whatever award of merit they may deem it worthy of without further examination. This rule to apply to *new plants* only.

Rule 6.—Cut flowers or plants may be exhibited from any section of the country, but the committee do not recommend that a general invitation be issued for the same to be sent from sections remote from this club's headquarters, as the necessary expense and time it would incur in traveling long distances to examine such things, as would be necessary so to do, would entail heavy loss on the committee; and, furthermore, it is the opinion of this committee that each florists' club should be applied to for examination of all such novelties in their own territory.

Rule 7.—In all cases where the committee be called upon to make any award or report, when there is a minority of the same, whether favorable or not to giving an award, the minority report, if presented with the majority report, shall be duly recorded in a regular book kept purposely for such reports, and at the same

time and manner that the majority report be entered, so that any or all the members of this club wishing to know the particulars of any special or particular report can examine the same at any of the club meetings.

The committee, after due consideration of all the points bearing upon the matter, are unanimously agreed that the expenses necessarily attending the traveling, etc., etc., to examine such things as may be considered of sufficient merit to warrant an investigation of the plants or flowers as growing in the greenhouse, shall be paid by the party requesting such, and we further recommend that if an initial exhibit be made in the club room, and the committee, after careful deliberation, consider its distinctive qualities sufficient to warrant further investigation, that the party exhibiting such novelty shall be notified that if he wishes the committee to go to the place for further examination he must forward the amount in cash to the secretary of this club necessary to cover mileage, etc., for at least three of the committee. The chairman of this committee shall first ascertain what such expenses would be, and advise the secretary of the amount, and in no case where the money is not sent in advance shall the committee be authorized to visit it.

In view of the heavy expense such journeys may entail upon this club, if said traveling expenses were paid by the club, we advise the above; but we do not advocate giving any notice of the time the committee will visit any place for completing their report.

Hymn to Jaggs.

Come all ye nations of the earth, when'er my muse it lags,
And swell the chorus; help me sing in praise of valiant Jaggs.
Sing out, sing loud, till all the echoes swim,
In laudatory music to the matchless worth of him.

Oh he knoweth every nation from Malay to Zuyder Zee,
And ne'er a tongue can fool him, e'en Chinese or Cherokee,
He speaks unhesitating, with unrivalled fluence,
And enjoys a conversation with a black Hindustanee.

Now when from England he departed and lit on Persia's strand,
He adopted all the customs and the costume of that land;
Took a little heathen wifie and of children raised a band,
And quickly did maneuver to get a harem on his hand.

Then unwitting like Micawher he fell prey to circumstances,
And lit out for other countries with a hole in his finances;
Yet he didn't even murmur or complain of fortune's whim,
For though he had deserved it yet there were no holes in him.

If on the seas, the stormy breeze raised waves like mountains high;
Though left alone, the only one, Jaggs still refused to die;
But swam unharmed through swirling waves' wild din—
The sharks refused to diue on him, he was too near akin.

And when he won unto the shore where dwells the Hottentot
Full many a lordly nigger King did think that fortune's lot
Had sent them Jaggs for stewing in their monster iron pot.

Oh Jaggs old boy, now hast thou need to do thy level best,
Or else full soon these niggers all, pot roast of thee will test—
Jaggs took a brace, screwed up his face, and thus the chief addressed:

"'Alloa! Ah there, me gay hold cove! 'Ow do ye think ye do?
It's bloomin' glad I ham indeed to clap my heyees on you!
I've roamed the 'ole world hover, till now I'm hout of cash—
I'll take your wad your darter too, she is me latest mash."

That nigger king turned deadly pale, he could not even speak,
At Jaggs' exhibition of his quality of cheek.
"Wot'nk! bijunks! We ne'er can eet a man so full of gall!
My wives and cash! Reveuge is mine—you've got to take 'em all!"

And having spoke, that colored bloke, turned up his manly toes,
While Jaggs, the king, wooed Mangi Jing, and soothed all her woes.

A year and day he held full sway, and then—must be confessed—
He lounged for more variety and so lit out due west.
Since then he's wandered many miles in every sort of clime,
And "done" full many a sucker usung of in his rhyme;
For Jaggs believed in Scripture—"up and doing" was his creed
Which he acted out right manful, in word and look and deed,
And if he tells some "stiff uns," that you can hardly credit,
Be careful and remember—'tis Jaggs himself has said it.

SO—

Come ye nations, sound the tum-tum, clang the loud whangdoodle and beat the sounding brass;
Proclaim it from the hilltops in the loudest kind of bass;
Clash it on the cymbals and on the big Kibosh,
Till the mountains swell the echoes, and the valleys too, by gosh;
While we sing in sounding chorus in accord with sweet hewgags,
The praises that are due unto the name of valiant Jaggs.

SAN FRANCISCO.—The receipts at the rose show were \$844.65 and disbursements \$642.74, leaving a balance of over \$200, the largest surplus the society has ever had after a rose show. The following system of judging has been adopted: Each member of the exhibition committee appoints a judge who goes around individually, examines the flowers and marks down their percentage of merit. One judge may not know any of the other judges until the percentages given by all of them are collected. No exhibitor or competitor is invited to act as a judge.

WINNIPEG, MANITOBA.—Braxton & Co. are succeeded by the Fort Rouge Greenhouse Co., F. Francis, manager. The Co. is remodelling the old houses and building three new ones, of which two are 10x100 and the other 19x100. The houses will have stone walls and butted glass 16x28. The additions will make the plant the largest in western Canada.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—As head gardener. Competent, and fully qualified. Age 30. Apply ISIDOR NAJEN, Pawling, N. Y.

SITUATION WANTED—By cut flower grower, propagator, nurseryman and general all round man; 10 years' experience in this country. Address JOSEPH FURMANSKI, 27 Emma St., Chicago.

SITUATION WANTED—As florist or propagator, in growing roses, carnations, chrysanthemums, general stock; also palms. Ferns; 20 years' experience; single Address M. care American Florist.

SITUATION WANTED—By German as head gardener or second man. Good designer and decorator. Wholesale or retail store. A florist all his life. References. Address K. care Am. Florist.

SITUATION WANTED—By experienced gardener and florist, young; learned the business in Europe; willing, and a good knowledge of the business in general. First-class references. J C T, care Am. Florist.

SITUATION WANTED—As foreman or manager by a successful rose grower and general plantsman. Also decorator and designer; 19 years' experience; married; sober and reliable. Good references. Address D. C. care American Florist, Chicago.

SITUATION WANTED—As working foreman in a commercial place where cut flower and catalogue plant trade is a specialty. Quick, sober and reliable; married, no children. Address with full particulars CHAS. A. MOSS, 174 Angler Ave., Atlanta, Ga.

SITUATION WANTED—By young man, general florist; 10 years' experience, roses, carnations, chrysanthemums and general plant grower. Sober, steady, good references. Mississippi valley preferred, though not particular. Address AMERICAN, care American Florist, Chicago.

WANTED—Agents to sell Child's Rainmaker nozzle. M. M. JONES, Gen'l Agt., 6122 Oglesby Ave., Chicago.

WANTED—800 feet of second-hand 4-inch hot water pipe. Address R. ROY DAVIS, Morrison, Ill.

WANTED—A few hundred feet of greenhouse hose, second-hand, one inch. GEO. M. HOUSTON, Harrisonville, Mo.

WANTED—Perles, Bridesmaids and La France, 1000 of each from 2½-inch pots; must be good stock and cheap. Address R R care American Florist.

WANTED—A good rose grower and two young men that have had some experience to assist in rose houses. Good wages and steady work to the right men. BASSETT & WASHBURN, Hillsdale, Ill.

WANTED—Man to take entire charge of greenhouse and help with repairs. Will pay \$20 per month and board, and more if business increases. Good place for greenhouse. Single man preferred. MRS. M. J. HYDE, Rochester, Minn.

TO EXCHANGE—200 fine umbrella plants ready for 4 and 5-in. pots, for ferns, palms, or hardy stuff. WM. HERZOG, Littleton, N. J.

FOR SALE—Second-hand boiler, 4 feet wide, 10 feet long, 24 3/4-inch flues. Devine make. Address WM. GREGORY, 715 West Chestnut St., Buuington, Ill.

FOR SALE—Upright boiler 5 feet high, 8-horse power; can be used for steam or hot water; as good as new; can be laid down and bricked in. Three years in use; cost new \$200; will sell for \$100. NICK GREIVELDING, Box 258, Sparta, Wis.

FOR SALE—Lease of 5 greenhouses, 4,000 ft. glass, 1,000 feet in hot beds; 5-room house, house and greenhouses heated by steam. Best location in Pittsburgh, with good trade; in good order. For further information address WM. C. BECKERT, 19 Federal St., Allegheny, Pa.

FOR SALE CHEAP—Any below items separately or together: Two Hitcbings hot water boilers, size 16; 4-inch pipe, 1,700 feet; two greenhouses, total 42x100 feet. Also Hitcbings ventilators for 3 houses, being six lifting gears, etc. GEORGE V. ADELMAN, Assignee, Franklin, Venango county, Penna.

For Sale or to Let at a Bargain.

P. Gormley offers his florist plant, established 25 years. Everything in the best condition; 2 acres of land, 500 feet on Fremont street. Electric cars pass every 15 minutes; 1 mile from city hall. The best stand in Massachusetts. Speak quick if you want the chance of a lifetime. Address P. GORMLEY, 260 Main St., Worcester, Mass.

FOR SALE.

1700 feet of 4 inch pipe, 8c. per foot, cash. One Foster boiler, 12 sections, will heat the above amount of pipe, cost \$260, will sell for \$100, cash.

WM. A. BOCK, North Cambridge, Mass.

Assignee's Sale.

By virtue of an order of the Court of Common Pleas of Venango county, Penna., C. P. D. No. 4, November term, 1886, the following effects assigned to me by James S. McGarry for the benefit of his creditors, to-wit: The lease of lot corner Liberty and Eighth Sts. two greenhouses, one house 18x30 ft., one 28x30 ft., two Hitcbings boilers, size 16, corrugated fire-box, four Hitcbings expansion tanks, six Hitcbings ventilators with 48 arms, about 1,600 ft. 4-inch pipe. All plants, and accessories will be sold in bulk at public sale to the highest bidder. Sale will be on the premises, corner Liberty and Eighth streets, Franklin, Venango county, Penna., Friday, July 25, at 10 o'clock a. m. The above will be sold subject to the lease of the lot. Copies of said lease can be secured by a prospective bidder on application to the assignee. All bids sent by mail must be accompanied with good reference.

GEORGE V. ADELMAN, Assignee,
60 Thirteenth Street, Franklin, Pa.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.
Mention American Florist.

Roses, Palms, Ferns.

17 selected Palms, best varieties, 3 and 4-inch ... \$3.00
34 " " " " " 3 and 4-inch ... 5.00
10 " " " " " 4 and 5-inch ... 3.50
20 " " " " " 4 and 5-inch ... 6.00
6 " " " " " 6-inch ... 5.00
Adiantum Ferns, best growers, from beds, per 100 6.00
Sword Ferns, best ... 5.00
Roses, choice Teas and H. P's, our select ... 2.50
Other fine plants at special prices.
Send for lists. Florists' Moss, Stakes, etc.
WILLIAMS & SONS CO., Batavia, Ill.
Mention American Florist.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate; Inch, \$1.40; Column, \$14.00. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE PRELIMINARY premium list of the St. Louis chrysanthemum show is out, and may be obtained from Mr. E. H. Michel, Magnolia and Tower Grove avenues, St. Louis. There is a number of special prizes, and a good show is looked for.

WE HAVE RECEIVED the premium list issued by the Oshkosh Florists' Club for their coming chrysanthemum show; it is very neat and attractive, but we note one serious omission—nothing whatever is said about the date of the show. The secretary of the club is Mrs. G. M. Steele, Oshkosh, Wis., from whom lists may be obtained.

An Inexpensive Decoration.

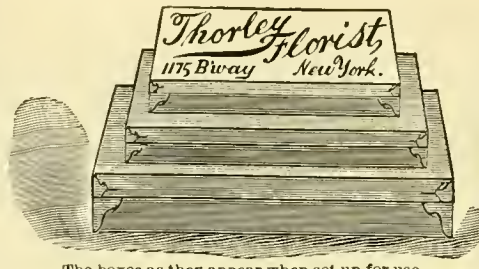
A good effect was recently worked out with inexpensive materials by Mr. Price and Miss Martin of East Rush, N. Y., in decorating a farm house on the occasion of a golden wedding. A large oval bank of native maidenhair fern, in the center of which was a mass of several hundred Coreopsis lanceolata was placed in the center of a table. The table was generously outlined with fronds of the same fern a short time before the guests arrived, and a few white roses and carnations were also used. The free use of the ferns subdued the vivid yellow of the coreopsis so that the general effect was rich without being startling.

Rochester, N. Y.

SALT LAKE CITY, UTAH.—Mr. James Dwyer is laid up with a broken leg. This will sadly interfere with his intentions to attend the coming convention at Pittsburg.

SAMUEL S. PENNOCK,
Wholesale Florist
REAR OF 42 S. 16th STREET,
Philadelphia, Pa.
Mention American Florist.

Prepare Advs. Now
FOR OUR
CONVENTION
NUMBER,
TO BE ISSUED
August 17.

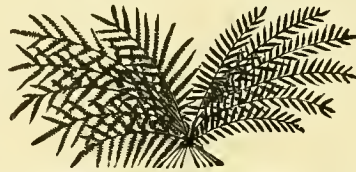


The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.



Hardy Cut Ferns,
BOUQUET GREEN,

Laurel and Green Festooning, Wreaths, Etc.
SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON.

Asparagus Plumosus Nannus.

Cut Strings, 8 to 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

The Boston Flower Market

is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.

Address **GEORGE CARTWRIGHT, Mgr.,**
Flower Market, Park St. BOSTON, MASS.
Long Distance Telephone "Haymarket 638."

ELLIS & POLLWORTH,
WHOLESALE CUT FLOWERS,

137 Oneida Street,

Box 75. MILWAUKEE, WIS.

WISCONSIN FLOWER EXCHANGE,
CUT FLOWERS, PALMS AND FERNS

FRESH CYCAS LEAVES 75 cts
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The above company, composed of the leading growers in the vicinity of New York, are now prepared to arrange for selling Cut Flowers of every class on the co-operative plan, and invite all growers to join us; guaranteeing them the best prices obtainable according to the market rates, and full returns for the same weekly.

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	NEW YORK, July 9.
Roses, general list	1.00@ 3.00
" Beauty per 1000	5.00@10.00
" Beauty extra	5.00@20.00
" ordinary	1.00@ 5.00
Carnations, ordinary	10@ .35
" extra	.50@ 1.10
Valley	2.00@ 4.00
Sweet peas, per 1000	1.00@3.00
Lilies	6.00@ 8.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Asparagus	50.00
	BOSTON, July 9.
Roses, general list	1.00@ 4.00
" Beauty	5.00@25.00
Carnations	.25@ .50
" extra	.75@ 1.50
Candidum	2.00@ 4.00
Valley	10@ .15
Sweet peas	.75@ 1.00
Adiantum	12.00@15.00
Smilax	50.00
	PHILADELPHIA, July 9.
Roses	1.00@ 4.00
" Beauties	15.00
Carnations	.25@ 1.00
Asparagus	35.00@50.00
Valley	3.00@ 4.00
Cattleyas	25.00@35.00
Sweet peas	.25@ .40
Smilax	15.00@25.00
	CHICAGO, July 12.
Roses, Beauties long	15.00
" short medium	6.00@ 8.00
" Large teas	2.00@ 3.00
Carnations, select	1.00@ 1.50
" good average	.50@ .75
Auratum lilies	8.00
Longidorum	6.00@ 8.00
Gladiolus	6.00@ 8.00
Coreopsis, ox-eye daisies	.15@ .25
Galliardias	.35
Sweet peas	.10@ .25
Smilax	15.00
	BUFFALO, July 9.
Roses, Beauty	15.00@25.00
" Mermet, Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle, Hoste, Cusin	3.00
Carnations, long	1.00@ 1.25
" short	.75
Sweet peas	.50
Valley	3.00
Smilax	15.00@20.00
Adiantum	1.25
Asparagus	50.00

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From 4-inch pots.

PERLE, CLIMBING PERLE,
 MERMET, BRIDE, GONTIER,
 WOOTTON, HOSTE, AND
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\$10.00 per 100; \$90.00 per 1000.

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 NO. 2 BEACON STREET,
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 49 WEST 28th STREET,
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SPECIALTIES FOR SUMMER SHIPPING:
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METEOR,
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SWEET PEAS. EXTRA SPECIAL.

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Roses Shipped to all points. Price list on application

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Careful Shipping to all parts of the country. Price list on application.

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ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Cham-
bers St., New York, Sec'y and Treas.

Mr. J. C. VAUGHAN has returned from California.

Mr. CHAS. P. BRASLAN expects to sail for Europe August 3, per steamer Aurania.

MICHIGAN reports extra early peas 40 to 60% of a crop. Late peas in bad shape owing to the drouth.

Mr. BURT EDDY, representing Vaughan's seed store, sailed for the Bermuda Lily fields from New York on the 11th inst.

Mr. BURPEE's new dwarf sweet pea Cupid has received an award of merit from the Royal Horticultural Society of England.

Mr. E. SCHAEFFEL, representative for Vilmorin-Andrieux & Co. is expected in New York August 11 next on his annual autumn trip.

San Francisco Sweet Pea Exhibition.

At the exhibition of sweet peas by the California State Floral Society, June 14, an interesting feature was the able paper by Rev. W. T. Hutchins, Indian Orchard, Mass., the well-known specialist. The essayist asked members of the society not to rely on cheaply grown seed, as in such cases they would very likely receive an inferior article not up to the types of Mr. Eckford's selections. To produce well grown seed and maintain the standard, requires the services of high priced labor. He also gave descriptions of some of the newer varieties.

There were only two exhibitors at the exhibition, C. C. Morse & Co., and M. Lynch. The great attraction was Cupid, the dwarf sweet pea, which was exhibited in a pot. Next to this was M. Lynch's new white, The Bride, which was highly commended. Mr. Morse exhibited a new variety owned by Rev. Mr. Hutchins, which will be known as Daybreak, also Toreador, a very showy white with heavy crimson blotch and veinings, a sport originating with Morse & Co., and already sold to a prominent firm in the catalogue mail trade. Taken as a whole, it was the fullest sweet pea show ever held in California. The flowers were very nicely arranged, novelties of 1892 in one row, 1893 in another and so on. The society passed a vote of thanks to Rev. Mr. Hutchins for his valuable paper and to Messrs. C. C. Morse & Co., and M. Lynch for their displays. J.R.

Worcester, Mass.

Business is almost at a standstill, an occasional funeral being the only order of any consequence coming in, and of course a very little cut flower trade. Although nearly everyone is busy emptying their houses good flowers are still to be had in medium quantities. We have had nearly two weeks of almost continual rain, coming in intermittent showers, and giving the land time to soak it in; everything outside is thriving, and it would take a long and severe drouth to do much damage now.

No horticultural exhibition was called for last week, as Thursday, the regular show day, came on the glorious Fourth.

W. J. Herrick, who bought out C. C. Kenyon on the first of the year, has gone out of business. A. H. L.

My first consignment of the

W P.

MUSHROOM SPAWN

is due to arrive at the port of Phila. about the MIDDLE OF AUGUST. Most of the large growers have already engaged their early supply from this shipment, and those who have not already done so are advised to apply without delay, to prevent disappointment. The early crop has always brought best returns. Special prices on application.

Mushrooms of America, Palmer, \$3 00
Falconer's Mushroom Culture, 1 50
Robinson's Mushroom Culture, .50
Watson's Mushroom Culture, .10

By mail, postpaid, on receipt of price.

G. C. WATSON,
Wholesale Seedsman,
43 N. 10th St., PHILADELPHIA, PA.

Mignonette
... Seed.

Having a limited quantity this year to spare of

GEO. E. BENNETT'S
IMPROVED ELOISE FRANCIS,

I offer it to the trade at \$1 50 per hundred Seeds, to be delivered on and after July 15th, 1895. All fresh and good seed. Cash with all orders. No agents. Address

GEORGE E. BENNETT,
382 Clarkson St., 29th Ward, BROOKLYN, N. Y.

Mr. George Bennett—
DEAR SIR:—It affords me great pleasure to endorse your Mignonette as the best I have seen; the pinch of seed given me last year surpassed any I have grown, and I say as a money maker it has no equal. Book my order for 12 packages. Yours truly,
ALEX. S. BURNS, Woodside, L. I.

M. KEPPLER,
Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.
Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The best strain in the world. Send for prices.
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The most Complete Assortment of Stock in the West for
FLORISTS and NURSERYMEN.
Headquarters for Roses, Tender and Hardy Plants, Shrubs, Bulbs, Trees, etc.
Catalogue and Price List free.
THE STORRS & HARRISON CO.,
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Gardiner's Celebrated
English
Mushroom Spawn.
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
John Gardiner & Co.,
Philadelphia, Pa.

TRY DREER'S
GARDEN SEEDS,
Plants, Bulbs & Requisites.
They are the best at the lowest prices. Trade List issued quarterly, mailed free to the trade only.
HENRY A. DREER,
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Palm Seed, Araucaria Seed, Etc.
Just Received in Prime Order. Per 100

Senforthia Elegans.....	\$ 50
Ptychospermum Alexandria.....	1 00
Cunninghamia.....	1 00
Ilcena Mullerli, a fibre palm.....	3 00
Araucaria Bidwillii.....	5 00
Macadamia Ternstroffia (Queensland Nut).....	3 00

Not less than 50 seeds sold of any sort.
JOHN SAUL, Washington, D. C.

FINEST OF BULBS
AT LOW RATES.
Wholesale prices on TULIPS, HYACINTHUS, NARCISSUS, CROCUS, etc., etc (1000 and 10000 rates only), now ready on application.
HULSEBOSCH BROTHERS, Englewood, N. J.
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Florists' Flower Seeds and Sweet Peas a specialty. Highest quality. Special prices.
WEEBER & DON,
Seed Merchants and Growers,
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(Established 1878) SAN FRANCISCO, CAL.
NEW PRICE LIST. Send for it.
Headquarters for
FREESIA REFRACTA ALBA,
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AURATUMS, and all other Japan Lilies.
ESPECIALLY LOW PRICES FOR EARLY ORDERS.

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NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment, SOUTH ORANGE, N. J.

MRS. THEODOSIA B. SHEPHERD,
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Crewer of RARE SEEDS, BULBS, PLANTS, CACTI and SUCCULENTS.
Takes contracts to grow all kinds of stuff in quantity.
SPECIALTIES:
Seeds of New Cosmos, Chrysanthemum, Ipomoea Heavenly Blue, Begonia and Nasturtium. Send for trade list.

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Original and largest growers of this important bulb.
OUR SPECIALTY!
True Stock. Lowest Prices. Best Quality.
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SEGGERS BROTHERS,

WHOLESALE BULB GROWERS, LISSE, near Haarlem, HOLLAND.

Respectfully beg their customers to send in their esteemed orders without any further delay.

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Just arrived in best condition.

100 seeds, 1000 seeds		
OREODOXIA REGIA	\$.60	\$4.00
PHOENIX CANARIENSIS . . . . .	.50	3.00
" TENUIS . . . . .	.60	4.00
BRAHEA FILIFERA, syn. Pritchardia filamentososa, \$1.00 per lb.; \$7.50 per 10 lbs.		

CHAS. SCHWAKE,
404 E. 34th Street, NEW YORK.

N. B.—We are now booking orders for all kinds of Palm Seeds. Send your list and we will quote you prices.

PALMS.

150,000 of all the leading varieties.

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50,000 of leading varieties.

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LOW PRICES.

PALMS, FERNS and ORCHIDS

Specialties.

SHORT HILLS, NEW JERSEY.

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FOR FALL DELIVERY.

For Catalogues address

C. H. JOOSTEN, Importer,
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\$. \$. \$. FOR DOLLARS.

MME. F. BERGMAN is the best early white to date. Price from 2½-inch pots, \$4.00 per 100.

YELLOW QUEEN, best early yellow. 2½-inch pots, \$4.00 per 100. Fifty other good market sorts from 2½-inch pots, \$5.00 per 100.

Special price on large quantities.

SMILAX, from 2½-inch pots, strong, \$2.50 per 100; \$2.00 per 100. Send for Catalogue.

ADDRESS **J. G. BURROW, Fishkill, N. Y.**
Mention American Florist.

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CONVENTION
NUMBER
TO BE
ISSUED
AUGUST 17
NEXT.

PANSY SEED.

The Best is what everybody wants and will find in the **Diamond Strain**. Thousands of amateurs and florists whom I annually supply with this strain say it is the best. Its large and perfectly formed blooms with thick and velvety petals of an endless variety of rich and delicate colors and tints, many striped, mottled, blotched and variegated in every combination, distinguishes this strain above all others. The following is a sample of hundreds of reports I have received from florists who have used this strain:

"Allow me to congratulate you on your means of producing such elegant strains of Pansies. I buy seeds from all the Pansy Specialists but none of them come up to yours in size, substance and richness of coloring, showing that rich velvety appearance, which others fail to produce." **MERWIN ALLEN, Florist,** Northampton, Mass.

I have had an experience of 16 years in growing Pansy seed and know how to produce first-class seed. Price, over 50 distinct sorts and an endless variety, mixed, ¼ oz \$1.00; ¼ oz \$1.75; ½ oz \$3.25; 1 oz \$6.00. Cash with order. Money Order office, Amherst, Mass. Address **L. W. GOODELL, Pansy Park, Dwight, Mass.**

For Sale.

CHRYSANTHEMUMS—The Queen, Niveus, Mrs. Jerome Jones, Ivory, Lincoln, Bonaffon, G. W. Childs and Pres. Smith, 2½-in. \$2.50 per 100; 3-in. \$3.00 per 100.
ROSES—3-in. Perles \$6.00 per 100; Brides and Bridesmaids, \$5.00 per 100.

POEHLMANN BROS., 512 North Clark St., CHICAGO.

FOR SALE. Per 100
200 HELIOTROPE plants cut back, 4-inch. \$5.00
100 SOLANUM JASMINOIDES, from 4-inch, very strong, 5.00
Best fall propagator.
CEO. M. HOUSTON, Harrisonville, Mo.

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Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.,

Grown by

P. SEBIRE & SONS,

USSY, (Calvados), FRANCE.

will be mailed on application to their sole Agents,

C. C. ABEL & CO.,

P. O. Box 920, NEW YORK.

New Fuchsia LITTLE BEAUTY. 50,000. Now Ready. The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$3.50 per 100. **BEGONIA Oibia**, from 2½-in. pots, \$3 per 100. **GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord**, strong plants, from 2-in., \$1.00 per 100. Cash with order. Special price on large quantities. **LINCOLN I. NEFF, Florist,** 4010 Butler Street, Pittsburgh, Pa.

CHRYSANTHEMUMS.

(See list with prices in June 15 number.)

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ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

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A. DIMMOCK, Agent, care Rolker's Auction Rooms, 101 and 103 Liberty Street, New York City
Send for illustrated catalogue.

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Wholesale Florists

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ADIANTUMS.

Fine plants, strong crowns, 3-in. \$8.00 per 100; 3½-in. \$10 per 100; 4-in. \$12 per 100; 5-in. \$18 per 100.

A few specimen *Latanias* and *Pandanus*. Prices on application.

J. T. WILLIAMSON, Prop. La Rose Gardens,
Memphis, Tenn.

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News Notes.

BLOOMINGTON, ILL.—Mr. F. A. Baller is on a trip up the lakes to Marquette, where he will spend a week.

BIRMINGHAM, CONN.—This place is no longer a post office, correct address for the locality now being Derby, Conn.

ROCKVILLE, CONN.—Emil and Herman Schmeiske are building a rose-house 25 by 100. They report business as very satisfactory.

PHILADELPHIA.—J. S'hellem is building two new houses, one ¾ span 36x160 and one 20x100 for carnations and spring bedding plants.

MIDDLEFIELD, MASS.—E. H. Alderman, formerly of Shepard & Alderman, Oakdale, has started business here and will erect a carnation house 20x100.

ASHTABULA, O.—Wm. Bliss has withdrawn from the firm of C. H. Bliss & Son, and will settle in Florida, where he has purchased land in the Indian River district.

LA CROSSE, WIS.—The Salzer Seed Co. is going to make an addition to their mammoth seed house. It will be 40x80 feet, four stories high and covered with corrugated iron.

GALESBURG, ILL.—The greenhouse and cut flower business that has been conducted here under the name of Pillsbury & Gesler, will be continued by I. L. Pillsbury, Mr. Gesler retiring.

LINCOLN, NEB.—Mr. C. H. Frey is erecting two new houses, one 20x120 and the other 10x120. The first is for roses and the second for violets. This gives Mr. Frey a total of over 20,000 feet of glass.

GRAND RAPIDS, MICH.—The Wealthy Avenue Floral Co. have discontinued the partnership heretofore existing between Freyling & Mendels and Kunst & Ringold, the latter retiring and Freyling & Mendels continuing the business, probably under the same name.

LOUISVILLE, KY.—The first annual outing of the Kentucky Society of Florists takes place Thursday, July 18, at St. Matthews, Ky. Train will leave First street station at 9 a. m., returning at 6:32 p. m. The committee of arrangements includes E. G. Reimers, John Thompson and J. E. Marrett.

COLEUS.

100 good 2-inch pot plants, in 20 varieties, if wanted, for only \$1.00.

BY EXPRESS. CASH WITH ORDER.

S. O. STREBY,

Lock Box 77, UPPER SANDUSKY, OHIO.

Chrysanthemums.

Choice varieties for planting, \$2.50 and \$3.00 per hundred.

NATHAN SMITH & SON, Adrian, Mich. Mention American Florist.

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SPEAK QUICK IF YOU WANT ANY

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw the New Rose growing, "I am agreeably disappointed; I had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF. \$35 PER 100; \$250 PER 1000.

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Rose Hill Nurseries,

New York Office, 409 5th Ave. NEW ROCHELLE, N. Y.

30,000 FIRST QUALITY FORCING ROSES. READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last three years, and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

SOUVENIR DE WOOTTON, 3-inch pots, \$8.00 per 100.	METEOR, 4-inch pots, \$12.00 per 100.	LA FRANCE,
PERLES, SAFFRANO, BRIDESMAID, 3-inch pots, \$7.00 per 100.	SUNSET, MME. HOSTE, 3-inch pots, \$7.00 per 100.	MERMETS, BRIDES, 4-inch pots, \$10.00 per 100.
J. L. DILLON, Bloomsburg, Pa.		

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEVILLES AND Plants, 2, 3, 4-inch pots. BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices. VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

ROSES, from 2½ and 3-inch pots, \$4.00 and \$6.00 per 100.

Sunset, Bridesmaid, Mermet, Wootton, Bride, The Queen, Souv. d'un Ami, Perle, Albany, White and Pink La France, Meteor, Niphetos, M. Niel, Mme. Hoste, Watteville, and Pierre Guillot.

JOSEPH HEINL, JACKSONVILLE, ILL.

JOHN N. MAY,

WHOLESALE GROWER OF

Roses & Chrysanthemums

All of which are now ready. SUMMIT, NEW JERSEY.

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106 & 108 Liberty St., NEW YORK.

Apply before consigning, to offer in proper shape and form. Prospective buyers, out of town, will send in their bids on cash basis only.

25,000 SMILAX PLANTS

from 2½-inch pots, strong and healthy, \$2.50 per 100; \$20.00 per 1000.

TERMS STRICTLY CASH. Sample orders 10 cents.

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751 Crawford Street, CLEVELAND, O.

Prepare advs. now

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CONVENTION NUMBER,

TO BE ISSUED

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Rose Plants

FROM THE

SUNNYWOODS GREENHOUSES

Bridesmaid, Cusin, Bride, and Meteor.

Please write, stating just what you want, and I will quote you a bargain.

Originator of the ROSE BRIDESMAID. FRANK L. MOORE, Chatham, NEW JERSEY.

FORCING ROSES

OF ALL KINDS.

GARNATION PEACHBLOW.

For reasonable price.

ESTATE OF M. A. HUNT, Terre Haute, Ind.

Roses

From 2½-inch pots.	Per 100	Per 1000
Bride, Mermet, White La France	\$3.00	\$25.00
Gontier, Watteville	3.00	27.50
Maman Cochet, Bridesmaid	4.00	35.00

THE NATIONAL PLANT CO. DAYTON, O.

American Beauty,

Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor, La France, Testout, Kaiserin, Perle, Sunset.

A. S. Mac BEAN, Lakewood, New Jersey.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

PANSIES. The Best from many growers, not the selection of one grower only.

INTERNATIONAL MIXTURE.

This mixture has been made up and sold by us for the past five years from the best strains known in Europe and America. We have in our files testimonials from leading florists in almost all the leading cities in the U. S. saying in effect "the best we ever had." Now if you would like to be convinced of this, drop us a line and we will send you the names of good men near you who will certify that VAUGHAN'S INTERNATIONAL MIXTURE has proven with them to be the best, most complete all round high class Pansy Mixture they have ever grown. Our four page price list of these and other seeds, mailed on request. The new crop seed is now arriving and can be sent at once, but after July 20th or August 1st our assortment of strictly NEW CROP SEED will be most complete. Trade pkt. 50c; 1/2 oz. \$1.50; oz. \$10.00.

CINERARIA. Columbian, mixed, pkt. 1000 seeds, 50c.

CYCLAMEN. Giant varieties, 60 seeds, 50c.

PRIMULA. Vaughan's International, per pkt. 250 seeds, 50c; 1000 seeds, \$1.25; 1-16 oz. \$2.00.



GIANT MIXTURE.

For those who desire the largest flowers only, and are willing to accept a somewhat less variety in the way of coloring, our GIANT MIXTURE has been especially put up. It contains only the largest flowers and during the last two years we have greatly increased the number of sorts. See list below. Price for Giant Pansy Mixture, trade pkt. 50c; 1/2 oz. \$1.50; 1 oz. \$5.00.

- Giant Trimardeau, white, large white with a violet center..... \$.25 \$ 5.00
- Giant Beauchamp..... .25 5.00
- Giant Trimardeau Improved, this strain contains all the new colors of Trimardeau..... .25 3.00
- Giant Cassier, a very choice variety of colors, each flower is marked with 3 or 5 blotches..... .25 5.00
- Giant Bugnot, the flowers are of enormous size, perfectly round, of great substance and the most varied and attractive markings and colors. Our "Bugnot" contains shades of red, bronze and reddish brown that are not to be found in any other mixture..... .25 6.00
- Giant Anricula Colors, very beautiful shadings..... \$.25 \$
- Giant Violet Blue..... .25
- Giant Yellow, Five Spotted, new..... .25
- Giant Hortensia Red, new, same shade as a Hydrangea..... .50
- Giant Emperor William..... .21 5.00
- Giant Trimardeau, mixed..... .10 2.00
- Giant Striped, flowers enormous size..... .25
- Giant Trimardeau, Yellow, very showy color, good seller..... .25 5.00
- Giant Trimardeau, Purple, flowers very large..... .25 3.00
- Giant Coal Black, of immense size..... .25 4.50
- Giant Copper-Color, a most distinct combination of rich metallic shades..... .25

Giant Paris Pansy Mixture.

The flowers of this strain are as large as the Trimardeau and far superior in color and in substance of petals; having a stout and stiff flower stem, the flowers last longer and the plants are more compact. Oz. \$5.00; 1/2 oz. \$1.40; 1/4 oz. 75c; trade pkt. 25c.

PREMIUM PANSIES, Mixed. Pkt. 25c; 1/2 oz. \$1.00; 1/4 oz. \$3.25; oz. \$8.00.

CHICAGO PARKS. Oz. \$1.00; 1/2 oz. 30c; pkt. 10c. 4 oz. \$3.00.

VAUGHAN'S SEED STORE,
New York: 26 Barclay Street.
CHICAGO: 84 and 86 Randolph Street.

CARNATIONS
 Cut Blooms at Wholesale.
 FIELD PLANTS AND ROOTED CUTTINGS
 IN SEASON.
C. J. PENNOCK,
 The Pines. KENNETT SQUARE, Chesler Co., Pa.
 Mention American Florist.

THE COTTAGE GARDENS,
 Queens, Long Island, N. Y.
WHOLESALE CARNATIONS.
Fred. Dorner & Son,
 LA FAYETTE, IND.
NEW CARNATIONS.
 ALEX. McBRIDE,
Carnation Grower
 ALPLAUS, N. Y.

CARNATIONS A SPECIALTY.
 Field-grown plants, ready in September.
 Send for prices.
GEO. HANCOCK & SON, Grand Haven, Mich.

Fisher & Aird, ELLIS, MASS.
 NEW AND TESTED
CARNATIONS.

Roemer's Superb Prize Pansies.
 The finest strain of Pansies in the World.
 Introducer and Grower of all the leading
 Novelties.
 Catalogue free on application.
FRED ROEMER, SEED GROWER,
 Quedlinburg, Germany.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

ZINGIEBEL'S GIANT PANSIES

"Huge jewels of violet and gold."—Boston Transcript.

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at \$1.00.
And THE GIANT MARKET, 2000 seeds, for \$1.00 also.

PLANTS FOR SALE AFTER AUGUST 1ST.

DENYS ZIRNGIEBEL, Needham, Mass.

Herr's Pansies.

A Little Booklet (ready July 1st) tells you why they are the best investment you can make at \$5.00 per 1000.

BOOKLET CAN BE HAD FOR THE ASKING.

L. B. 496. ALBERT M. HERR, Lancaster, Pa.

Pansies Worth Raising.

THE POPULAR VARIETY THAT SELLS AT SIGHT.

Lots of testimonials—unsolicited—but thankfully received.

NEW CROP SEED:—1/2 ounce, or about 2,500 seeds, \$1.00; in no larger quantities yet.

SEED OF AUGUST AND SEPTEMBER, 1894:—Every bit as good for this year's sowing as the above, a test just made showing over 90 per cent up, \$2.50 per 1/2 ounce, or \$4 per ounce. Liberal discount on large orders. CASH WITH ORDER.

C. SOLTAU & CO.,
 (Successors to Christian Soltau.)
 199 Grant Ave., JERSEY CITY, N. J.

PANSY SEED

THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt., 250 seeds, \$1.00.

- The Jennings X X strain, \$8 per ounce; pkt. \$1.00.
 - Victoria, bright red..... pkt. 1.00.
 - Pure white..... pkt. 1.00.
 - Finest yellow..... pkt. 1.00.
 - Dr. Faust, black..... pkt. 1.00.
 - Dark Blue..... pkt. 1.00.
- The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.

E. B. JENNINGS, Wholesale Pansy Grower,
 Lock Box 254, SOUTHPORT, CONN.

EXTRA PANSY SEED.

MAMMOTH SUNBEAM STRAIN.
 A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts., 60 cts.; 6 pkts., \$1.00.
 A pkt. of 500 seeds of the new, peculiar and amusing Mookie Face Pansy added to every \$1.00 order.

JOHN F. RUPP, Shiremanstown, Pa.



H. Wrede,
 Luneburg, Germany.
PANSY SEEDS.
 124 First Prizes, the highest award.
 4 Medals, World's Fair.
 1000 Seeds, finest mixed 25c.
 Price List on application. Cash with order.



HEADQUARTERS FOR
PANSY SEED
 Superb World's Fair
 Prize Varieties. A
 Grand Mixture of un-
 limited sorts. Trade packets,
 25c each. Send for List.
H. W. BUCKBEE,
 Rockford Seed Farms, Rockford, Ill.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Western Wholesale Nurserymen.

The semi-annual meeting of the Western Association of Wholesale Nurserymen was held in Kansas City June 25.

The meeting was presided over by President H. T. Kelsey, of St. Joseph, and the veteran secretary, U. B. Pearsall, of Fort Scott, was at his post. The individual reports showed that, taking the country over generally, there was a sufficient amount of stock on hand to meet the reasonable requirements of the trade for the coming year, and yet there was at no point a surplus. As was stated by one of the oldtimers, if there is a corn crop in the west they will have a market for every tree on hand or can get, but if there is a short crop or a scarcity, then there is certain to be some stock left over. Taking a reasonable and safe view, it was evident the stock on hand was as great as business prudence warranted. The outlook is good, but of course is based largely on the growing crops. There are strong indications that prices are to advance, certain they will in case there is a good crop and a strong demand for stock.

During the afternoon the secretary, U. B. Pearsall, of Fort Scott, presented his resignation, but the association promptly decided not to accept it. On the contrary, he was urged to remain where he was, and, as an evidence of the appreciation with which the association regarded his services, he was presented with a fine gold watch with an appropriate inscription. He has recently been appointed storekeeper in the state penitentiary at Lansing, and for that reason is going out of the active work of the nursery. He has held the office for four years and handled the business in such a manner that the members were not willing to dispense with his services.

Resolutions of sympathy for the family of the deceased member, Mr. John Mentch, of Winfield, Kas., were adopted. His is the only death in the association during the past year.

One feature of the business that has afforded no small amount of trade and satisfaction to the members of the association is the large number of commercial orchards that are being planted in different parts of the country. The eastern part of Nebraska is fortunate in getting a large number of them, and in various parts of the state of Kansas there are several of them planted some years since that are now getting in shape for producing great crops.



Kills Mildew and Fungus Growth. What does? **GRAPE DUST.** Sold by Seedsmen.

PREPARE ADVS. NOW FOR OUR CONVENTION NUMBER..... TO BE ISSUED AUGUST 17.

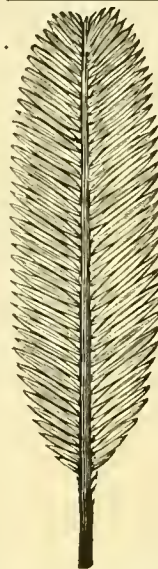
Catalogues

Those made by us are superior in artistic appearance and trade-pulling qualities to those made by other houses. Write us. We give small orders same attention as larger ones. Samples and prices upon request.

Red Leaf Labels
Culture Leaflets
Flora Catalogues

J. HORACE McFARLAND CO.,

Mount Pleasant Printery, HARRISBURG, PA.



Cycas Leaves.

OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at

40c, 45c, 50c, 60c, 75c and \$1 each.

Address

August Rolker & Sons,
Florists' Seeds, Bulbs & Supplies

136 & 138 W. 24th St.,

P. O. Station E. New York.

H. BAYERSDORFER & CO.,
WHOLESALE
FLORISTS' SUPPLIES ONLY,
58 N. 4th Street,
PHILADELPHIA, PA.

Our new Catalogue is now out, free upon application.

M. RICE & CO.,
Florists' Supplies,
23 & 25 N. 4th St., PHILADELPHIA, PA.

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

Fenster Pappé.

Best substitute for glass, largely used by European FLORISTS, NURSERYMEN and MARKET GARDENERS. Directions with each roll. Trial rolls of 8 yards for \$1.00. Original rolls of 110 yards for \$10.00 net cash.

August Rolker & Sons, New York.
P. O. Station E.

LEMON OIL INSECTICIDE,
Used now by the leading Florists.
75c. per quart; \$1.25 per 1/2 gallon; \$2.00 per gallon; \$9.00 for 5 gallons.
HENRY F. MICHELL,
SEEDSMAN,
1018 Market St., PHILADELPHIA.

GEO. H. CHANDLEE.

H. C. CHANDLEE.

PATENTS
Trade-Marks, Caveats, Etc.
CHANDLEE & CHANDLEE,
Patents and Patent Causes.
ELECTRICAL and MECHANICAL EXPERTS.
Polack Building, YORK, PA. Atlantic Building, WASHINGTON, D. C.

Galvanized Steel PLANT STAKES.

Used now by nearly all the largest Florists for Roses, Carnations and Chrysanthemums. They are neat and durable. We are Headquarters and offer them now at a special low price in the following sizes:

2 Feet	Per 100	Per 1000
2 1/2 "	\$.50	\$4.50
3 "	.70	6.50
3 1/2 "	.80	7.50
4 "	.90	8.25
4 1/2 "	1.00	9.00
5 "	1.10	9.75

Order now as prices are likely to advance.

Special Prices on Plant Stakes

Will be quoted in lots of 2000 and upwards.

HENRY F. MICHELL,
SEEDS, BULBS AND IMPLEMENTS,
1018 Market St., Philadelphia, Pa.
Always mention American Florist.

For Forcing

Roses, Carnations, Chrysanthemums and bulbs, and for inducing a healthy growth of all plants, there is nothing equal to

Albert's

Horticultural Manure.

It is highly concentrated, and made from pure chemicals.

Write for sample, trade prices, and discounts on retail packages.

ROBT. L. MERWIN & CO.,
General agents, United States, 88 Wall St., New York

LYSOL. The Ideal Insecticide.

Send for Pamphlet, etc.

HERRMANN'S SEED STORE,

413 EAST 34TH STREET,

Near Long Island Ferry, NEW YORK.
Mention American Florist.

New Catalogue (No. 4) containing over 1,000 Ornamental Cuts for Florist's use, such as envelopes, letter heads, bill-heads, cards, advers., floral designs, etc., at from 30c. and upwards. Price of Catalogue 25 cts. (deducted from \$1 order).



A. BLANC,
Engraver for Florists,
PHILADELPHIA, PA.

The cheapest and most "MILDEW" effective remedy for

A new specific with specially devised fumigator.

One package of the specific with fumigator, by mail or express, on receipt of \$2.00.

ADDRESS **W. WALLACE & SON,**
Ivywild Greenhouses,
Box 30. Colorado Springs, Colo.

.....THE ANNUAL
CONVENTION NUMBER

— OF —

The
American
A
WEEKLY
JOURNAL
Florist
FOR THE TRADE

Will be issued **AUGUST 17, 1895.**

In addition to other specially attractive features it will contain an accurate *CHART OF COLORS*, comprising 30 of the most important shades, prepared for the FLORIST by F. Schuyler Mathews. The color chart will be a permanent part of the paper as readers will be advised of the necessity of keeping it in the paper away from the light except when in use.

The expense of this chart has been very heavy, but it will lend to the issue, of which it will be a part, a very greatly increased value as an advertising medium, as it will be frequently referred to. Still there will be

NO INCREASE IN ADV. RATES,

which will be as heretofore :

FULL PAGE.....	\$42.00.
HALF PAGE.....	21.00.
QUARTER PAGE.....	10.50.
PER INCH.....	1.40.

Subject to time discount to those having term contracts with us.

Send ads. **early** so we may have abundant time to get them up in our best style.

The Convention Number will reach every Trade Buyer in the United States and Canada, and extra copies will be distributed at the Convention.

AMERICAN FLORIST COMPANY,

P. O. Drawer 164.

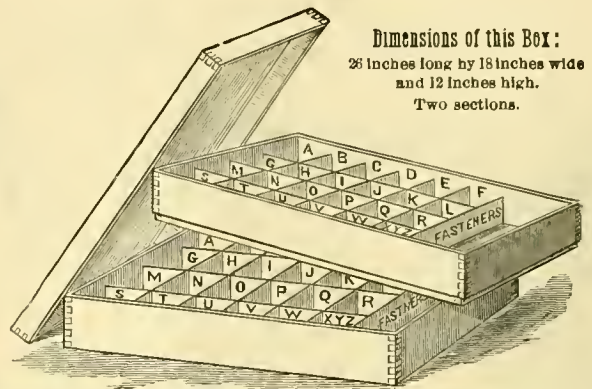
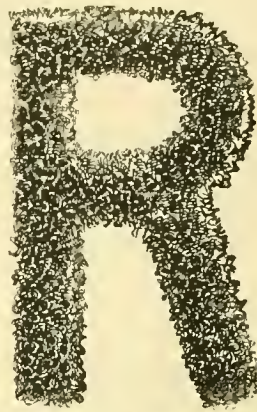
CHICAGO.

Rochester, N. Y.

All this summer extremely dry weather has prevailed here and in this vicinity, and all planted out stock suffered badly. Carnations, with the exception of a few robust growers, such as Daybreak, Scott, Portia, etc., make very little headway, and are in some cases not any larger now than they were when planted out. Asters and all annuals are small and stunted, and it is feared that the crop of such flowers will be very short. Nearly all the herbaceous stuff does not last in bloom as well as other years, and many choice things are fairly burned up owing to this extreme dry spell. However, last Monday we had a few hours of gentle rain, and it is hoped that all fall and winter stock at least will be greatly benefited thereby.

As to the flower business, there is no change since my last; everything goes very slow, and the demand is very light. Most of the upper or fashionable class of people are either gone or preparing to go out of town, and there will be at least two months' rest to the weary retailer, and also for the commission man. The growers, however, are always at work, and many have begun repairing and making additions or alterations.

Salter Bros. contemplate building several more houses at their place in Fairport. J. B. K.



Dimensions of this Box:
26 inches long by 18 inches wide
and 12 inches high.
Two sections.

This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters.

BOSTON FLORIST LETTER CO.

Manufacture THE BEST LETTERS IN THE MARKET.

Sizes 1½-in. and 2-in. 2.00 per 100. Patent fastener with each letter.

OUR NEW SCRIPT LETTER, \$4.00 per 100.

N. F. McCARTHY, | Address 13 Green St.,
Treas. & Mangr. | Boston, Mass.

Address all correspondence to 1 Music Hall Place.

We have a new FASTENER which we consider a decided success. Any customers having old style fasteners which they wish to exchange, can do so without additional cost by writing us.

These Letters are handled by all the Wholesalers in Boston

- AGENTS:**
A. Rolker & Sons, New York.
M. Rice & Co., 25 N. 4th St., Phila., Pa.
F. E. McAllister, 22 Dey St., New York.
A. D. Perry & Co., 33 Warren St., Syracuse, New York.
A. Herrman, 415 E. 34th St., New York.
J. J. Kerchover, 112 W. 27th St., New York.
H. Bayerdorfer & Co., Philadelphia, Pa.
A. C. Kendal, 115 Ontario St., Cleveland, O.
J. A. Shumers, Toronto, Ont., Agent for Canada.
E. H. Hunt, 79 Lake St., Chicago, Ill.
Wisconsin Flower Exchange, 131 Mason St., Milwaukee, Wis.
H. Sunderbruch, 4th and Walnut Sts., Cincinnati, O.
T. W. Wood & Sons, 6th and Marshall Sts., Richmond, Va.
Jas. Vick's Sons, Rochester, N. Y.
C. A. Kuehn, 1122 Pine St., St. Louis, Mo.
D. B. Long, Buffalo, New York.
Huntington Seed Co., Indianapolis, Ind.
Portland Seed Co., 171 2d St., Portland, Ore.
Geo. A. Sutherland, 67 Bromfield St., Boston.
Welch Bros., No. 1A Beacon St., Boston.
N. F. McCarthy & Co., 84 Hawley Street, Boston.
The Henry Philipps Seed and Implement Co., Toledo, O.
Waller A. Potter & Co., Providence, R. I.
J. C. Vaughan, 26 Barclay St., New York.
W. Ellsco, 1402 Pine St., St. Louis, Mo.

THE KINNEY PUMP.



THE KINNEY PUMP.

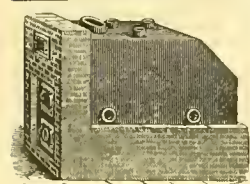
Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingstons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

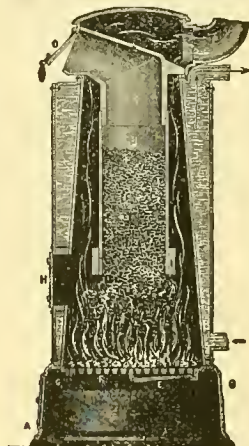
J. N. STRUCK & BRO.

Manufacturers of

• CYPRESS •
Greenhouse Material,
LOUISVILLE, KY.



GREEN-HOUSE HEATING.
MYERS & CO.
1518 & 1520 S. 9th St.
PHILADELPHIA.
Send for catalogue and price list.



THE "TABASCO" WATER HEATER.

ALL STEEL. SELF-FEEDER.

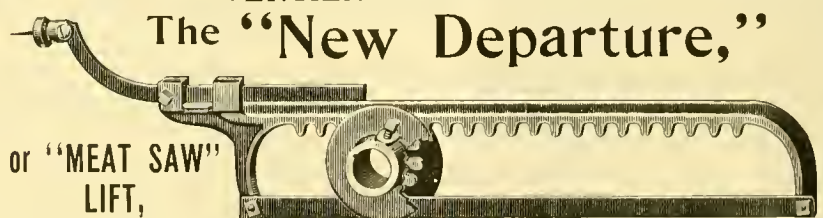
FOR GREENHOUSES, CONSERVATORIES

And all places requiring hot water for HEATING AND GENERAL USE.

KEWANEE BOILER COMPANY

96 Lake Street, CHICAGO. KEWANEE, ILL.
Mention American Florist.

SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?



Will do the work quick, better, and COST LESS than any other appliance ever invented.

Address **J. D. CARMODY, Evansville, Ind.**

TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.
Vaughan's Seed Store, Box 688, Chicago.
Mention American Florist.

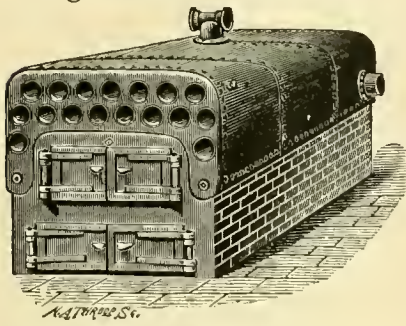
SMILAX. 2½-in. pots, strong thrifty plants, \$2.50 per hundred; \$20.00 per thousand.
F. A. BALLER, Bloomington, Ill.
Mention American Florist.

PRICE REDUCED TO SUIT HARD TIMES.

ESTABLISHED 1854.

DEVINE'S BOILER WORKS.

THE FLAT TOP TYPE
Wrought Iron Hot Water Boilers.



Capacity from 350 to 10,000 feet of four-inch pipe.
SEND FOR NEW LIST.

FRANK DAN BLISH, Att'y,
56th and Wallace Streets,
CHICAGO.

TO
TAKE
PLACE
OF
WIND
MILLS

A Windmill

Is unreliable because it depends upon the element for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

**DE LAMATER-RIDER OR
DE LAMATER-ERICSSON
Hot-Air
Pumping Engines**

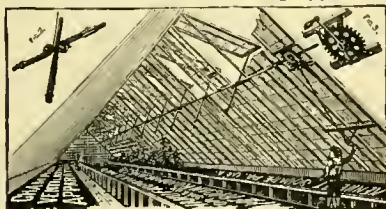
are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

Send for illustrated catalogue to
THE DE LAMATER IRON WORKS,
467 West Broadway.

NEW YORK, N. Y.

Mention American Florist.

HAVE YOU HEARD
of the Champion Ventilating Apparatus?



THIS IS IT.

Efficient, Easily Operated, Economical.
YOUR INTERESTS DEMAND AN INVESTIGATION. Our circular is free for the asking.

AMERICAN ROAD MACHINE CO.,
Kennett Square, Pa.

GLASS

which is absolutely perfect for modern greenhouse construction.

ROCK BOTTOM PRICES.

Send for Estimates. Satisfaction Guaranteed.

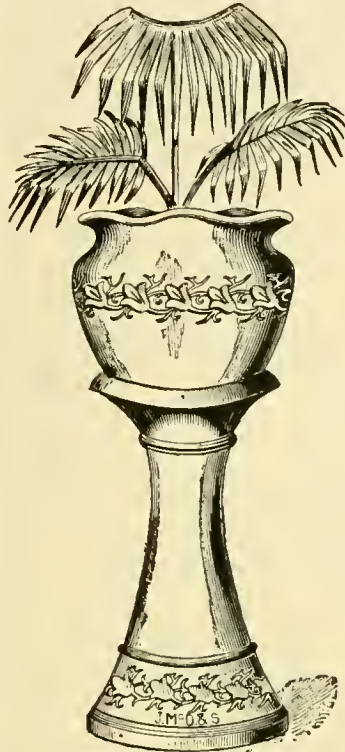
REED GLASS CO.,

102 South 5th Avenue, NEW YORK CITY.

Mention American Florist.



CANTON CHINA PLANT-POT.



**Plant Pots
AND
Pedestals.**

We invite the attention of intending buyers or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese plant pots or jardinières, selected by our buyers at the places of production the present season.

They include all sizes and shapes up to the large and very large; from the lowest price up to \$150 each.

Some very costly old blue Canton China.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

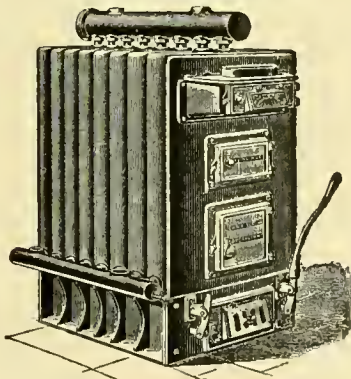
Wholesale and Retail.

Jones, McDuffee & Stratton,

CHINA AND GLASS MERCHANTS,

120 Franklin Street, BOSTON, MASS.

Attention Florists!



It will be to your advantage to look into the merits of the SCOLLAY "INVINCIBLE" HOT WATER BOILER.

It is all that its name implies and don't forget it.

Cuts and full information mailed on application.

JOHN A. SCOLLAY,

89 & 91 Center St.,

NEW YORK.

74 & 76 Myrtle Ave.,

BROOKLYN, N. Y.

Mention American Florist.

D. H. ROBERTS,

132 and 134 S. Fifth Avenue,

NEW YORK,

NATURAL GAS MADE GLASS,

FOR ROSE HOUSES, CONSERVATORIES, ETC., ETC.



Pat. 1882, '85, '86, '88, '90, '91.

FOR WATER, AIR, STEAM, ACIDS, OILS, LIQUORS, GAS, SUCTION,

And for any and every purpose for which a hose can be applied.

Sizes, 1/2-inch to 42 inches diameter. The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our

Patents. The rights secured to us render each individual dealer or user responsible for such unlawful use with all the consequences thereof. For prices and discounts address **WATERBURY RUBBER CO.,** Sole M'rs and Owners of all the Sphincter Grip Armored Hose Patents, 49 Warren Street, New York
J. C. VAUGHAN, Agent, CHICAGO.

News Notes.

MARQUETTE, MICH.—The Iron Cliffs Co. is preparing to build a greenhouse 22x100.

WEST GROVE, PA.—John McLimans has leased the Henry Jackson greenhouses for five years.

SCOTSDALE, PA.—John Nichols intends to add a new house 16x60 this summer. Trade has been very satisfactory here this spring.

SAN JOSE, CAL.—Preparations are already being made for a monster floral carnival next spring. It is proposed to expend \$50,000 on the affair.

TACOMA, WASH.—The rose show beginning June 15 was largely attended, and the display very full and complete. One exhibitor alone displayed 60 varieties of roses.

AMHERST, MASS.—Mr. Geo. E. Stone of Worcester has been given the professorship and supervision of the botanical work at the Mass. State Agricultural College.

WILMINGTON, DEL.—The Park Commissioners are arranging to borrow \$25,000, to be expended in improving the parks. A movement is on foot to have a floral exhibition this fall.

MANSFIELD, O.—The Berno Floral Co. is erecting two new houses for carnations and "mums." This firm makes a specialty of cut flower and decorative work. Trade has been very good.

KALAMAZOO, MICH.—Trade has been very satisfactory as a whole the past season. The principal increase in trade of late years has been in sales of cut flowers. The plant business does little more than hold its own.

PEORIA, ILL.—The park commissioners will issue bonds soon in the sum total of \$200,000. Of this sum \$140,000 will be used to pay for the parks already bought. The other \$60,000 will be expended in salaries and improvements at Glen Park. There will be \$5,000 spent at Bradley Park this year, but no other tract will be touched.

READING, PA.—A fine wedding decoration was recently arranged here by J. G. Brown. A handsome feature at the church was the use of five yuccas in bloom on either side of the chancel, sweet peas being freely used, in addition to palms and decorative plants. At the house a large wedding bell was suspended over the bride cake, and ivy was freely used in draping.

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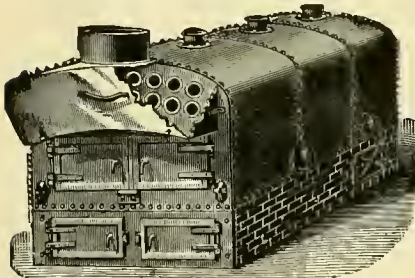
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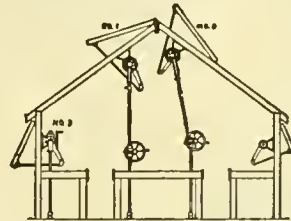
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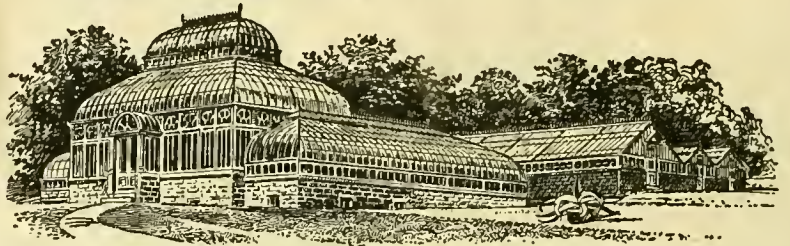
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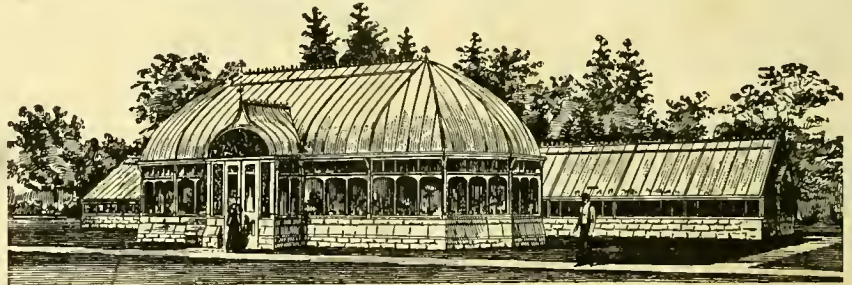
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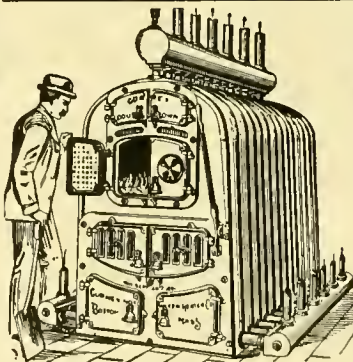
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Vol. X.

CHICAGO AND NEW YORK, JULY 20, 1895.

No. 372

THE AMERICAN FLORIST

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AMERICAN FLORIST COMPANY,
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OF THE

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WILL BE HELD AT

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Nomenclature.

The Nomenclature Committee of the Society of American Florists desires information as to any cases of misnaming or confusion of names in American decorative plants, as well as any other matters coming within the line of duty of the committee. Communications should be addressed to the chairman of the committee, Professor William Trelease, St. Louis, Mo., without delay.



Carnation Notes.

I am very glad Mr. Rawlings presented the case of bone meal as he did on page 1257. In the first place there is all the difference in the world in the bone which we purchase as to the time which is taken to decompose it or to get it into condition for the plant. I believe from my own experience and that of several experienced growers that the finer the bone is ground the quicker it will decompose. Bone as I understand it is used more as a staying manure than as a quickener, and for this reason I mix it with the soil on the last turning.

Now as to this leaching away of ashes and all other fertilizers. This idea I believe to be a fallacy so far as applies to outside work. Of course on a bench where there is only three or four inches of soil it is very apparent that a heavy watering will carry essential elements through the soil with it, as can be readily seen by watching the color of the water after it has passed through the bench, but when outside I have every practical reason to believe that the soil absorbs all that is in the manure and this too near the surface where the plant growth is sure to need it. To demonstrate this fact let Mr. Rawlings manure a piece of ground heavily in preparation for any crop, then after several heavy rains have fallen remove from a given space the soil to the depth of eight inches, remove then soil to the depth of four or five inches and have it analyzed by some expert and see if there is any fertilizing material in it.

There are many soils which need no bone. This can only be determined by testing a part of a bench without the use of bone. I have repeatedly advised the carnation growers to test this for himself not only with bone, but also with every other fertilizer. Again with the same grower different varieties of carnations require different manures. The Daille-douze Bros. tell me that bone is no good with them, also that they use horse manure, which on other soils would be ruinous. We can help the growth of plants by preparing the soil in such manner that the plants can take hold of the manures at once, by having them thoroughly decomposed, but I believe it is a practical fact that plants themselves help to decompose such matter as bone, and that by applying bone as I have stated the plant will take up as much of the elements in bone as they require and when they require it. And further-

more, if in certain soils plants do not require the bone and it is applied, the bone will be found after the plants have been removed. I do not pretend to be an expert in the analysis of manures but base my opinion simply upon practical experience on my own place and in observing results obtained by others.

CHAS. H. ALLEN.

Chicago Carnation Notes.

The outlook for good carnation plants for next season was rather dubious until the heavy rainfall of Sunday made a welcome change. Of course there is plenty of time yet for the plants to make a good growth, besides extra large plants are not always the most desirable. The record made by carnation growers in this vicinity the past season was in most cases a gratifying one, the general average of quality being far in advance of that of the few years preceding. The most satisfactory part of all was the fact that the stock sold readily at good prices. Few men in the business have probably had better returns on their investment than those who knew how to grow first-class carnations. There is little danger that this flower will be overdone for some time to come. During the best part of the past season really first-class flowers were below the demand, and this is likely to continue unless every one engaged in this particular line should produce a gilt-edge quality, which isn't likely. Although, as we have said, the general average of carnations has been greatly improved, yet a large quantity was also of a very poor grade, and would offer a still larger field for improvement.

As to variety, most of the older and tried sorts will constitute the bulk that is grown for next season. In whites Lizzie McGowan is largely planted. This variety in a general way proved satisfactory last year, although in some respects not the ideal white. Silver Spray, which threatened to be annihilated by the rust, is not a dead issue by any means. This variety has done much better in many places last year than for some years previous. Its old enemy, the rust, is being kept in check and when kept free from this trouble it is a white hard to beat. Henry Mundt has cut all winter, and is cutting now for that matter, as fine blooms of this variety as any one wishes to see. A number of other growers also had satisfactory results and will stick to it at least until a better one is found. Puritan was grown at a number of establishments, but with most was rather unsatisfactory.

Uncle John, as stated in our previous notes, was in most places destroyed by the rust. H. Mundt, who had it in fairly good condition in winter, reports that it gave out very early in the spring and hardly thinks it will be a paying variety for the market.

Alaska is being tried by a number of

growers. Mrs. Fisher is largely planted for summer flowering. It is probably the best sort for this purpose. In reds the past season was rather a failure. Garfield, except at one or two places, was poor and unsatisfactory. Portia did fairly well, and for want of a better variety of a proven quality will constitute the bulk of stock grown for next year. Lizzie Gilbert, which promises well, is planted in limited quantities at a number of places. Emily Pierson also is planted at a few establishments. Tidal Wave of course is a standard sort of sterling qualities. This variety was grown to perfection last year by a number of growers, and doubtless proved one of the best paying sorts. Although classed with the pinks it often fills the place of a red or a pink. This sort is being grown in large quantities this year.

Scott has superseded the old Grace Wilder, which latter is now a thing of the past. Scott, at least for this section, is the most desirable variety of the darker pinks. The stock is robust and free of disease. It is a good seller on the market, which is one of the main points in a flower. The coming season will see it in abundance to judge by the amount of stock planted. Daybreak hardly needs mention. It is such a thoroughly fine carnation, and its general behavior is so good, that no grower can afford to be without it. Enormous lots of this variety were grown for our market last year, but very seldom this sort had to wait for a buyer, even the poorer grades selling readily. Let us have more of them.

Helen Keller was fairly satisfactory, though some of the growers complain of the buds blighting more or less in mid-winter. It is doubtful if our market would absorb this variety in very large quantities, the demand for striped varieties being rather limited.

We are still looking for a good yellow, at least a yellow that our growers can manage to bloom in winter. Bouton d'Or behaved well with A. T. Jackson, who is growing it more largely this year. Several others are also giving it a trial. Fred Stielow is growing plants enough of Buttercup to fill a house, and we hope he may succeed and bloom them nicely. There is no better yellow we know of than Buttercup, if we could only grow it. Dean Hole, which is so highly spoken of, is on trial with John Ure and several others.



Kaiserling is to the front again as a good summer rose. Most of those who gave it a trial last year are in for it again, with an increased amount of space. Reinberg Bros., W. N. Rudd and Bassett & Washburn are among the growers who gave this rose a more or less extensive trial last year, which in most cases was quite satisfactory. While the rose in mid-winter was not up to the best standard as compared with the Bride, still the blooms were fairly good in quality and the cut better than expected. Its main value, however, as we said before, is its excellence for summer as soon as the hot weather sets in, when the Bride is forced

to the rear. The coming season will see this rose more generally grown. The Reinbergs have planted a half dozen houses, and are at present cutting some very fine blooms from them. Rudd, Bassett & Washburn and a number of other growers are sending in good blooms of this variety. Poehlmann Bros., of Morton Grove have two very fine looking benches of them.

Testout also proved very very satisfactory with most of those who gave it a trial last season. The three firms mentioned above and A. T. Jackson, of Bowmanville, furnished the bulk of the stock. The rose is certainly a first-class seller on the market, at least for home consumption; as a shipper, however, it is not always satisfactory, particularly in warm weather. The flower pops open very quickly and the petals drop too soon. Still on the whole the flower is satisfactory, and will doubtless have a good run next season. Reinberg has planted some seven or eight houses of it.

Mrs. Whitney was on trial at three or four places last winter. Kennedy, of Lake Forest, had a bench of several hundred plants, which did finely until mid-winter, when all the plants dropped their foliage, which, however, was owing to the damp atmosphere of the house, according to Mr. K., and not the fault of the rose. Stollery Bros., of Argyle Park, grew a small batch of about 100 plants, and as we saw it at their establishment it is certainly a grand rose. It is a vigorous grower and of free flowering habit, and worthy of more extensive growing. Mr. Bassett, on a recent visit to the East, was so much pleased by the appearance of this rose as seen growing there that he will devote several houses to them this year. Numerous other growers will also give it more or less of a trial.

The two new candidates for public favor, Mrs. Pierpont Morgan and Belle Siebrecht, will be on trial the coming season. The former, Pierpont Morgan, will be given an extensive trial by Bassett & Washburn, who have planted several thousand plants. A number of other growers have, however, only invested in small batches of 25 to 100 plants. Every grower who has seen a flower of this variety likes it, but most of them are rather cautious in giving it a trial on account of its parentage, the Cusin, which never would do anything out here.

Belle Siebrecht, however, will be right to the front. Hardly a grower of any prominence but has at least a hundred plants of it. We have seen this rose growing in at least a dozen places, and it looks vigorous and healthy everywhere notwithstanding the fact that the stock when received was extremely small and rather weak. The rose appears to take right hold of our soil, and judging by present appearances will prove satisfactory. There is one point, however, claimed for it that isn't borne out according to all the growers that expressed an opinion, and that is in regard to black spot. Whether the variety is subject to this disease or not we cannot say, but it certainly is not proof against it. The rose on the whole, however, is very satisfactory as far as its growth is concerned; of the blooms we shall judge later. Among those who are growing this rose in lots of 500 to several thousand are Reinberg Bros., Bassett & Washburn, Poehlmann Bros., F. Stielow and E. Buechner.

Bedding at Washington Park, Chicago.

The illustrations in this issue show a few of the beds on the slopes which were in previous years the scene of the very

elaborate carpet work. Naturally the photographs present the form without the charm of coloring. Most of the formal beds are composed of succulents, oxalis and alternanthera, but among other plants used begonia Vernon takes high rank. The begonia bed at the end of the slope is composed of this variety in three tints—pale flesh, pink and crimson. The darkest one has particularly richly colored foliage, and makes a grand showing in the mass, the colors being grouped separately. The coleus beds are also very showy. Among other plants doing especially well are the lobelias, which make solid garlands of blue, and the pansies, which keep in fine bloom, despite the dry hot weather. The cannas are planted along the top of the slope, and they promise a fine show later. The lily ponds are also doing well; among the plants at the edges the forget-me-nots make a sheet of blue. *Bocconia cordata* among the taller plants makes a fine show with its plume of creamy flowers.

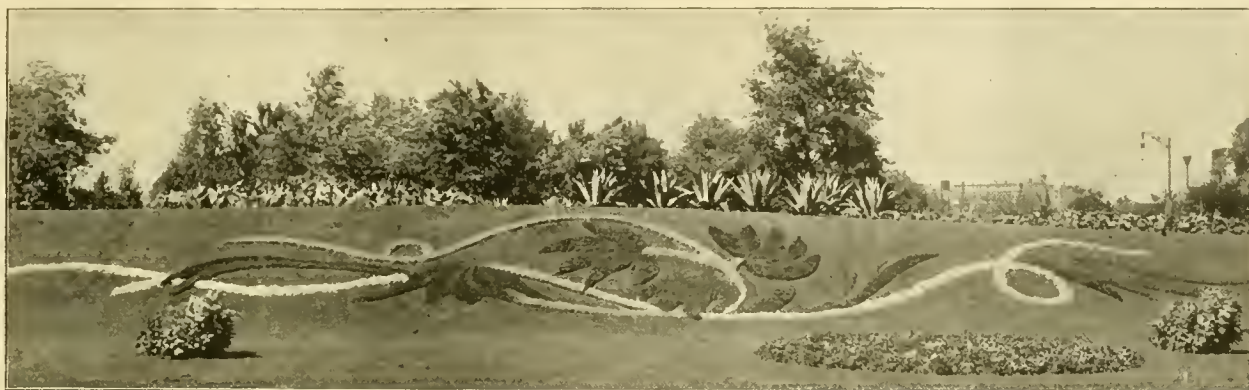
Herbaceous Plant Notes.

Astragalus hypoglottis albus differs from the type, *A. hypoglottis*, only in the color, which is as the name indicates of a pure white, while the latter has white, blue and purple variegated flowers which are produced in a roundish head, springing from the axils of the leaves on stems standing out well above the foliage. The latter is pinnatifid and of a dark green color, while the stems are hairy and creeping or prostrate. It is a very ornamental plant for rock work or the edge of the border, growing only 3 to 4 inches high, and it delights in dry soil and a sunny situation, flowering freely from the latter part of June to the end of August. *Astragalus alopecuroides* blooms in compact oblong spikes on axillary peduncles, and is one of the best taller varieties of the species. The flowers are a light yellow, very pretty, and remain in perfection from the end of June to the latter part of August. The leaflets are covered with a whitish down, and the habit of the plant is erect, growing 2 to 3 feet high.

Veronica incana is a compact perennial variety with rather narrow and pointed white woolly foliage and fine blue elongated flower spikes, very freely produced from now until October. It is one of the very best of the genus, but rarely seen, and should not be omitted in any collection, for it blooms such a long time. Height 1½ to 2 feet. *Veronica longifolia subsessilis* (syn. *V. Hendersoni*) is a beauty with long cordate dark green leaves, erect stiff branchy spikes of very large deep blue flowers, remaining in bloom from July to October. Decidedly the most desirable and attractive veronica, but very rare; it attains a height of 2 feet and is of very easy culture.

Silene quadriauriculata is a little gem, very free flowering from July to September. It has very light pink flowers, sometimes white, of the same size and shape as *S. saxifraga* and is a fine thing for either the rockery, the front line of the border, or for edging. The plant only grows 6 inches high and is densely tufted.

Chrysostemma tripteris belongs to the coreopsis family and is now beginning to flower well, developing a great mass of rich golden yellow and brown star-shaped flowers, the disk of which will turn brown as it grows older. An exceedingly free blooming plant of tall and graceful growth with narrow lanceolate foliage and well adapted for the back of the border or the shrubbery. Five to six feet is



CARPET BEDDING IN WASHINGTON PARK, CHICAGO, THIS YEAR.

the height; will bloom from now until frost and is desirable as a cut flower. An odor of anise is emitted by the flowers when bruised.

Epilobium rosmarinifolium has numerous large pink or pale red flowers produced from the top of the branches in long spikes, which are very useful for cutting, as they last a long time in water. The stem is erect and stiff, branched from the middle up, about 2 feet high, and the leaves are small, narrow and lanceolate. This pretty plant will remain in bloom from July to September, and though not difficult to grow it is rather rare in this country.

Agrimonia odorata has flowers of a larger size than *A. Eupatoria* and also grows taller and stronger, but blooms later, beginning in July and lasting well through August; the long, slender erect spikes bear numerous golden yellow flowers, closely set along the stems. The leaves are pinnate and very sweet scented, of a dark green. The plant forms a compact bush and grows to a height of 2 to 2½ feet.

Chrysocoma Linosyris blooms profusely from July to September in dense terminal flower heads of a golden yellow color, and stands our dry summer admirably, forming a neat compact little bush with narrow fine lanceolate foliage, thickly set opposite or sometimes alternate along the branchy stems. Height 1½ feet, will do well in dry places, but does not exactly require such a situation.

Polygonum amplexicaule is a very fine ornamental plant with dark green

broadly cordate leaves and bright deep rose-colored flowers in elongated racemes 4 to 6 inches long, blooming from now until frost. It grows from 2 to 3 feet high and spreads considerable, therefore plenty of space should be allowed in planting. Abundance of water and rich deep soil will greatly assist in producing very fine specimen plants of this free flowering and very ornamental species, and a little extra care will repay the cultivator well by extra sized flowers and finer foliage, although under ordinary care in the border fair specimens can be grown. It often attains the full height of 3 to 4 feet.

Lythrum roseum superbum is a desirable and very hardy plant for the border or low shrubbery; the flower spikes are very freely produced during July and August. The florets come in whorls arranged around the erect stiff stems, are of a rosy color and make a fine show in the garden without any special care whatever, even in the dry summer months. The height is about 2 feet.

Chrysobactron Hookeri is a very rare plant, but a very handsome one, blooming freely and constantly during July and August. The flowers are of a very bright yellow and are produced in abundance on long stiff erect racemes. The leaves are from 9 to 12 inches long, broadly linear, grass-like, of a dark green when mature, but when first coming out in early spring the points of the young growth is of an intense orange scarlet color, and from a distance look like a mass of flowers, where they are planted thickly, and if the

plant had no flowers at all this spring ornament alone would make it most desirable, for in spring blooming plants we have none to give us this intense and dazzling color. It succeeds best in a moist situation and should have plenty of water if planted in the ordinary border; height 2 feet. This plant should be grown largely in all collections, but unfortunately stock is very limited and it takes time to raise enough from a few plants to make a show, although they divide easily and the smallest offset will make a good growth the first season. There are so many herbaceous plants of easy culture that have become very rare and almost extinct, but with the revival of interest in them as manifested in the last few years, I hope that most of the more desirable ones will be plentiful in the near future, and sold at popular prices. As it is now, high prices are the rule for rare things and people are indifferent as to buying them unless they actually see the plants and take a liking to them.

Rochester, N. Y. J. B. KELLAR.

Removing Whitewash From Glass.

A subscriber wants to know how to get two heavy coats of whitewash from his glass; he says it sticks worse than paint. As whitewash is usually put on the heavy rains wash it off, and early frosts in the fall, followed by rains, always bring it off. If it must be removed sooner, I know of only one way, and that is to use lye. A good way to apply it is to have a large sponge or bunch of cloth

on the end of a pole, keep the sponge saturated with lye, and rub over the glass, and let another man follow with a strong stream from the hose. If it is very tenacious you can syringe on the lye, follow with a stiff brush, and then the hose.
W. S.

A Violet House.

A subscriber who signs himself "A Florist" wants information on the above, how to build and how to ventilate a house best suited to grow violets through the winter. It was not necessary to say through the winter, as that is the time for violets. As I have had occasion to remark before in these columns, I have seen violets in almost all shapes and sizes of houses, and under very varied conditions, and I have seen houses built especially for them which were a total failure, but all that does not abolish the fact that there can be an ideal house for violets.

I trust my good friend Mr. Rawson will pardon me using his name, and also describing his style of violet houses, for he is about the most persistently successful of any one in my limited acquaintance. His houses are long and narrow (about 10 feet), solid benches. He plants his young plants in May or June and removes the sash. The violets are just the same as being out of doors only he has better control of them with hose. In September perhaps the sashes are put on. Everybody concedes that the solid bench is better than the shallow bench of 4 to 5 inches of soil, yet the finest violets that came to our market last winter were grown on the shallow bench. I think I know how to build the ideal violet house, and shall carry out the idea in the near future; here it is without reserve.

The house will be 11 feet wide, any length desired, running *north and south*; the side walls will be 3 feet 6 inches. The beds will be built on the ground with 1 foot of drainage and 1 foot of soil. The ventilation will be 2 feet deep from the ridge, continues the whole length of the house, and only on the east side, but if expense is no object you can put ventilators on both sides. Now here comes my wrinkle, if I won't be called egotistical: Instead of sash, which always make a dark house and are a nuisance generally. I shall *but* the glass, using the cap without putty. When time to remove the glass, say in May, the cap can be unscrewed and the glass removed and stored away till fall. If you think this is a good deal of a job I can safely assure you that one man and a boy will take out the glass of a house 100x11 easily in a day, and replace in 2 days. Remember there is no need of breaking a single light in the operation, and what a grand chance to give the hars a coat of paint when the glass is out. I may add that whether heated by steam or hot water I should run the pipes 1 foot above the plants on the side wall. In butted glass always use square; 12x12 or 14x14 would do finely for violets. The pitch of the roof may be 45° or a little less.
WM. SCOTT.

Through American Eyes.

The successful florist of to-day is always on the move; he is not satisfied to stand still and contemplate his work of the past. He may have done well, very well, with his specialty, but this result only nerves him on to do better. He is always on the lookout for improvements to his plant, stock, or his methods, and thousands of dollars are used intelligently

every year by this wide-awake class in carrying out their ideas. The success of the H. A. Dreer Co. is a good example of what can be done by bright progressive men. From a comparatively small plant they have in the last ten years added to their establishment until it is now the largest in this country, and plans are drawn and the plot laid out for an additional range of glass that will cover over one acre of ground.

In order to be up to date with the demands of the trade both in this country and Europe, Mr. J. D. Eisele, a member of the company, and one of the best palm specialists in the United States, spent some time recently visiting the palm-growing centers of Europe. Through the courtesy of an interview with Mr. Eisele, we are able to give to the readers of the FLORIST the following account of his trip and his impressions of the business as conducted on the other side.

One of the most extensive places in England, and probably in the world, is Thos. Rockford's, at Broxbourne, about sixteen miles out of London. They do not count the extent of their place by the thousand feet of glass, but by the number of acres of ground covered, which at the present time is eighteen, a new addition of two acres having just been completed. A force of carpenters and painters are kept constantly employed in erecting and looking after this immense range of glass. The houses are built mostly on level ground, and are of equal span, a number, four or more, being built together, the gutters resting on iron pipe supports, and sufficiently high to give headway, and so that an almost unobstructed view can be obtained over the whole range from any part of it. The tables are constructed of iron and laid with clay tiles, six by ten and half an inch thick. The heating is done with hot water, ordinary 4-inch pipes being used, connected with 6 inch mains on the returns. The boilers are in the greenhouses, but the stoke-holes are outside entirely without cover. This, together with the fact that the houses are not connected by sheds, causes general comment by American visitors. Ventilating is also done in a curious way by a lever at one end of a house, no special system being used. The largest house is one built for palms, and is three hundred feet long, fifty-two wide and twenty-eight feet high; this is filled with specimen *latanias* and *kentias*, and other large palms, among them being some *Cocos Weddeliana* ten feet high. They had no *arcas* in over 3-inch pots, in fact no specimen *arcas* were seen either in England or on the continent; they don't seem to do well, making a spindly growth, not bushing up as they do in this country. A few good sized ones had been imported, but they looked as if they wished they were back again. A great many *kentias* and *latanias*, as well as *aspidistras*, are grown here, mostly in 6 and 7-inch pots, and rather taller than we like them, the English dealers preferring a tall to a bushy specimen.

Dracenas amabilis, *regina*, *stricta*, *grandis*, *imperialis* and *terminalis* are grown in large quantities in 6 and 7-inch pots; they are mostly all sold in Covent Garden market, bringing from three to four shillings a plant. Ferns are grown largely in 3, 5 and 6-inch pots, a great many of the latter size being used as table plants. *Lomaria gibba* seems to be a great favorite, and three houses two hundred and twenty-five feet long were given to this variety alone. *Pteris cretica magnifica*, *P. Mayii* and *P. tremula*, *Polypodium aureum*, *Pteris argyrea* and

Nephrolepis exaltata were the other principal varieties. Quite a number of varieties are grown suspended from the rafters so as to make pretty individual plants; especially is *nephrolepis* in 5 and 6-inch pots grown in this way. The 3-inch pot ferns sold for £1 per hundred, and for the 6-inch the prevailing price was one shilling each (25 cents).

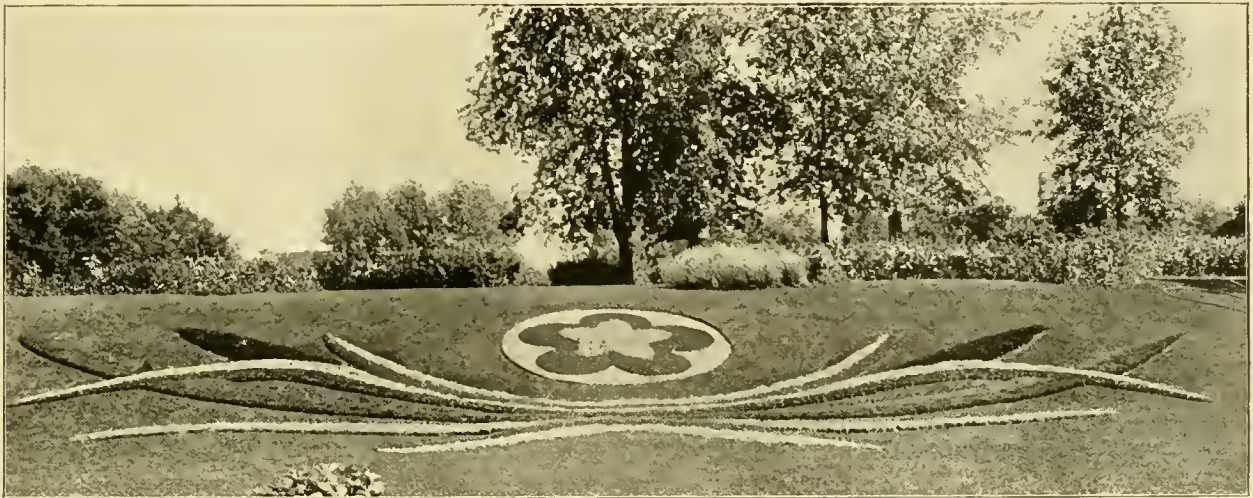
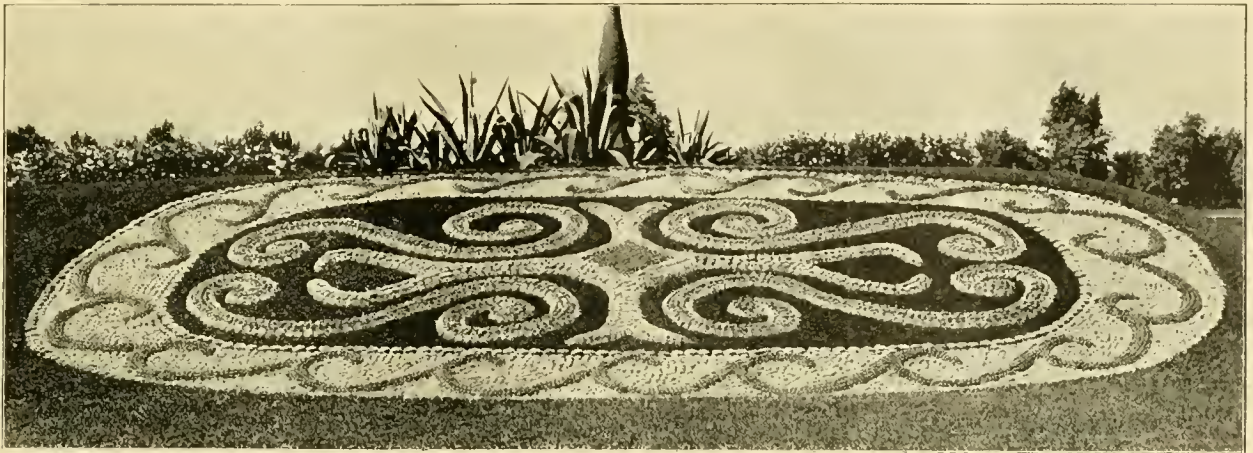
Many ranges of houses are given to forcing fruits and vegetables for the London market. Grapes, cucumbers and tomatoes are the principal products. Something over ninety tons of tomatoes were marketed in the winter and spring of '92. Each department is in charge of a foreman who makes a specialty of his particular branch; these foremen receive from thirty to thirty-five shillings per week.

One of the most interesting ranges on the place is that used for forcing lily of the valley, for which flower this establishment is particularly noted, the first choice being no doubt the finest produced anywhere. Six houses two hundred and fifty feet long by ten wide comprise the lily range, and between thirty and forty men and boys are employed in this branch during the forcing season. They have copied the cold storage system since its adoption in the United States, and orders are now filled the entire year. The work in the valley houses is done very systematically; planting, cutting, sorting and bunching is all done by piece work, and the several gangs of men and boys attain wonderful proficiency in their particular branches. After being cut the sprays are graded and bunched into firsts, seconds, thirds and culls, and packed in separate boxes ready for market. Very great care is exercised by the buyer as to the quality of the pips for forcing. Although bought by the million a higher price is paid than the very best pips are sold for in the smallest quantities in the United States. They are bought entirely by samples which are carefully preserved, and if in filling the order the quality does not come up to the standard the condemned lot is returned entire.

Chrysanthemums are largely grown, some forty thousand plants in 10-inch pots being sold last season. These are both cut and sold in pots, according to the demand. The crop of late varieties had just been cut out at this time (January 10). Great quantities of Easter lilies were seen coming on, all *Harrisii*.

Almost the entire product of this immense establishment is sent to the Covent Garden market, and no plant when once off the place is allowed to return. Nothing is imported or bought, everything being raised from seed. It was thought by this method that the plants would never become infected with insects, but they are there just the same, and what is your best remedy for scale is a question often put to the visitor. Nicotine and petroleum enters into all the insecticides offered in Great Britain; every grower seems to have a formula of his own, but none seem satisfied, and all are anxious for something better. The pots used are all hand made, and they did not present the neat and uniform appearance of our best machine make here, there being quite an irregularity noticed in those evidently made for the same size.

One very noticeable difference to methods employed in the United States was the watering; there was no hose to be seen anywhere. All this work was done by the watering pot with rain water obtained from cisterns underneath the benches. There is no windmill, or steam pumps, or connection with other service,



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and this seems to be universal all through Great Britain and on the continent, in fact we did not see a hose from the time we left until we returned.

H. B. May is a large Covent Garden grower; his place is at Upper Edmonton, a few miles out. He grows large quantities of ferns in 5, 6 and 7-inch pots. His stock consists of *Polypodium aureum* by the houseful, *Selaginella Emilianoa*, a fine thing as he does it in 6-inch pots; and immense quantities of adiantums. A house was devoted to carnations, Malmaison type, in pots, quite a number of which were in flower, but all badly bursted, before being sent to market a small rubber band was slipped around each calyx. When cut the flowers were all pinched off short. One of the best was named Uriah Pike; it was a fine dark crimson. None of the American varieties are being tried. Among other plants grown in quantities here was *Aralia Sieboldii*; this was done well, and made a very salable plant. *Cyperus alternifolius* in 6-inch pots was also to be seen in quantity and in fine condition.

At Wm. Paul & Son's place was noticed two houses of pot roses, being tied out for exhibition purposes, much the same as chrysanthemums are staked here.

At Hugh Low & Co.'s we found a great quantity of New Holland plants being grown in the very best manner. Cyclamens were seen in 5-inch pots that were a revelation; they were perfect masses of bloom. They brought about 38 cents each in the market. Heaths were also done

very well, *Erica persoluta* and *Wilmoreana* being particularly fine. The collection of orchids here was large and in fine condition; they make a specialty of these aristocrats, and do them well. There were five houses full of genistas, and a great many double primulas were also grown to be sold in pots and for cut bloom.

Messrs. Veitch & Sons' place was a model retail establishment, everything being as clean as a new pin. This house has a large high-class trade, their specialty being new and rare plants.

Philip Ladd at Swanley Junction has an immense place; there are over one hundred houses, from two hundred feet long upwards, the largest being six hundred and eighty-six long by twenty-five wide. An eight hundred feet house had been tried, but had to be divided, as it was found very difficult to heat it evenly. Seven houses were filled with *Niphetos* grown in pots for cutting; the buds were all sold short with no stems of any consequence.

Wm. Whitely has a large place some twelve acres in extent, entirely surrounded by a wall seventeen feet in height. He grows plants and cut flowers, as well as hothouse fruit; these are disposed of in his large department store, on the plan of John Wanamaker at Philadelphia.

Greenhouse establishments in the immediate vicinity or suburbs of London have a great deal to contend with in the almost ever-present fog; it is oftentimes so thick that one cannot see the other side of the

street. This fog collects a dirty greasy substance and deposits it on the plants; it seems impossible to keep it out of the houses, and a force of men are continually cleaning and keeping the stock in presentable appearance; the syringe alone has no effect on this greasy dirt. This sediment seems to seriously interfere with orchid flowers, injuring the young buds.

With the exception of a few *Niphetos* and M. Niels, no roses are forced in England for cut flowers; this is owing to the lack of sunshine during the winter months. During our stay, a period of three weeks, there was but one clear day. Violets also are not forced, probably for the same cause. The grounds surrounding the private residences in the suburbs of London were very carefully kept, and contained many fine specimens of aucubas, Portugal laurels, English holly, *laurestinus* and great quantities of *rhododendrons*; all looked beautiful and green. The *laurestinus* were just coming into flower. A severe cold spell, unusually so for London, had just been experienced, but the shrubbery seemed to be all right; this was the 12th of January. Snowdrops were to be seen peeping through in sheltered places.

Covent Garden market is a place of great interest to the American florist. The quantities of plants and flowers disposed of here every day is enormous. The building has the appearance of a large market house, and stalls are rented by growers and dealers, who do business side by side. The flower building covers about

one acre of ground, and the fruit market alongside about the same. The market opens 4:30 a. m., and the business is all over in three hours. The assortment of cut flowers offered consisted of great quantities of bulbous stock, valley, hyacinths, tulips and narcissus; there were plenty of wall flowers, geranium flowers and ten weeks' stocks. These were all offered by the growers. The dealers handled great quantities of stock from the south of France. The old Safrano was their principal rose; it was put up in bundles of 12 flowers with fairly long stems. They came in hampers 8 dozen in each. They also handled considerable bulbous stock, which was sold very low. The London growers complain bitterly of this imported stock, for while theirs is better, this is good enough for the cheaper trade, and lowers their prices considerably. There were no longiflorum or Harrisii lilies, nor did we notice any callas.

Thousands of plants of all kinds are sold here every day. On entering the market about five o'clock it seemed as if it would be impossible to unload the stock in a single day, yet by half past seven it had almost entirely disappeared. A great many flowers and plants are sold by the street men, or fakirs as we call them, who load up push carts or hand barrows and peddle them along accustomed routes or sell them at street stands.

In Germany the principal flowers forced are lilacs, viburnum, valley and bulbous stock. Quantities of lilacs and viburnum or snowballs are grown and sold in pots. The snowball in the stores is decorated with crepe tissue, the stems of plants being so wrapped about as to expose nothing but the leaves and flowers. They call it the Guelder Rose. The varieties of lilac forced are Charles X, Mme. Lagrange, and Mme. Lemoine, new double white. Some good cyclamens are grown, but not in any quantity.

In Dresden all growers are specialists, principally in camellias and azaleas. J. T. Seidel has a very large establishment, which looks at a short distance like an extensive series of large frames. The entire place contains 225,000 square feet of glass and is all under ground to the eaves of the houses. The entrance opens into a tunnel arched with brick four hundred feet long, and opening off this on either side are houses two hundred feet long and fourteen feet wide; these are all double span iron frame and look as if they would stand a lifetime. The heating is done by low pressure steam, there are 6 inch mains running the entire length of the tunnel to supply the steam from two large boilers situated near the middle of the plant. Camellias, azaleas and rhododendrons form the bulk of the stock. Rhododendron Cunningham's White is used almost exclusively for stock for azaleas, and one hundred thousand cuttings of this variety were seen in the sand. Lady Hume Campbell is the stock used for camellias. Here, as throughout all Germany, azaleas are pot grown. Just the opposite is the Belgium method. Strong growing varieties of azaleas are there used for stocks, these are grown in pots and grafted before being planted out.

Albert Wagner's place at Leipsig was most substantial; the houses were constructed entirely of iron, not a stick of wood anywhere. They were one hundred feet long by twenty-five wide, and glazed double, two layers of glass being used. One range of nine houses was entirely filled with *Cycas revoluta* planted out and grown for fronds. They were heated with open tanks of water through

which steam pipes were run. The houses were very wet, and the plants were growing luxuriously, being entirely clear of scale and other insects. A great many of the leaves were sent to Russia and Austria. Rhaps and aspidistra were largely grown; they were planted out on tables, and allowed to grow until they become as one plant, when they were divided, the strong shoots potted and the weaker ones planted back, and the bed started again.

Nearly all through Germany the houses are covered with boards one foot wide and length of rafters; there was a frame work several inches above the glass to support them. Houses containing dormant or semi-dormant stock remained covered all day during severe weather. Placing and removing these boards must be a considerable item of expense to the German growers; it seemed to be about ten in the morning before they finished uncovering, and about four in the afternoon the replacing would commence and finish the day's work. In the absence of sheds to connect houses, bass mats were propped up against the ends, and it required at times a spade to pry the doors open after the mats were removed so the stock could be inspected.

Mr. Pfützer of Stuttgart had a model place, and handled quite a variety of plants. He has effected crosses between spring and fall flowering anemones by retarding the growth of the latter varieties and obtaining the early flowering stock from the south of France.

Leipsig men grow carnations planted on benches. Lizzie McGowan was being tried, but looked very homesick. They grow great quantities of carnations, propagating entirely by layers during summer; these are wintered in frames like pansies here, and planted out in the field and then lifted and sold as pot plants in the autumn. The varieties grown make admirable pot plants; all seem to have Malmaison blood in them. They seemed much surprised that carnations could be rooted so easily from cuttings in the United States.

Otto Thalacher grows many amaryllis, among them new varieties of the vittata type, the colors of which are wonderfully fine. Selaginella Emiliana is grown in large quantities in 5-inch pots; this plant is in great favor, and sells well. Clivia (*imantophyllum*) is also a very popular flower, and is sold extensively. Many different hybrid varieties of *C. miniatum* are to be seen here. New Holland plants are grown, health also being very well done. One entire house was given up to *Billbergia splendens*, and the grower said he could not get enough of it. Mme. Lemoine lilac is a good double white, and is regarded as a coming forcing flower, many growers speaking of it.

In Quedlinburg we saw one of the neatest and most interesting places. It is run by a stock company. They make a specialty of the growing of seedling plants for the trade. They had 300,000 cyclamen plants in flats, twice transplanted; these were in frames outside. Coming on were tuberous rooted begonias, gloxinias, primulas, cinerarias, *Dracæna indivisa* and large quantities of rooted cuttings of all bedding stock, such as coleus, of which they have four hundred varieties. *Achyranthes* and *alternanthera* are produced by the million. A table one hundred feet long by four wide was filled with 5 and 6-inch pots of begonia and gloxinia seedlings. All the seed sown is of strains of their own selection. There were seventy thousand primulas in four houses two hundred and twenty-five feet long coming into flower; they made a grand

showing. One house of Holborn blue was grand, and another of alba magnifica was very fine. The houses were of the lean-to pattern, with step stages. Immense quantities of plants are grown in frames, and it is a wonder how the frost is kept out, as there appears to be no artificial heat, although great care was taken in covering during extreme weather.

German growers as a rule do not raise their own seedlings, depending on specialists for their supply of young stock. There are quite a number of firms whose business is entirely that of growing young stock, both seedlings and cuttings, for the trade. Most of these houses are situated in Quedlinburg, which seems to be the center for this specialty. The work of transplanting the seedlings from the seed pans into boxes is mostly done by women and girls, who become very expert, and have a house to themselves for this branch alone.

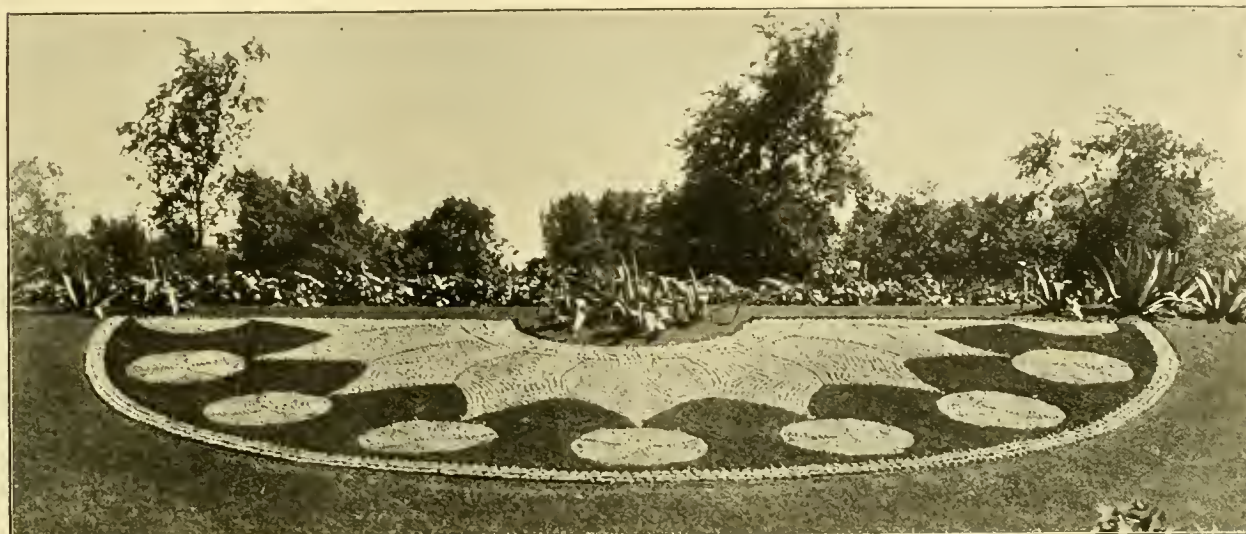
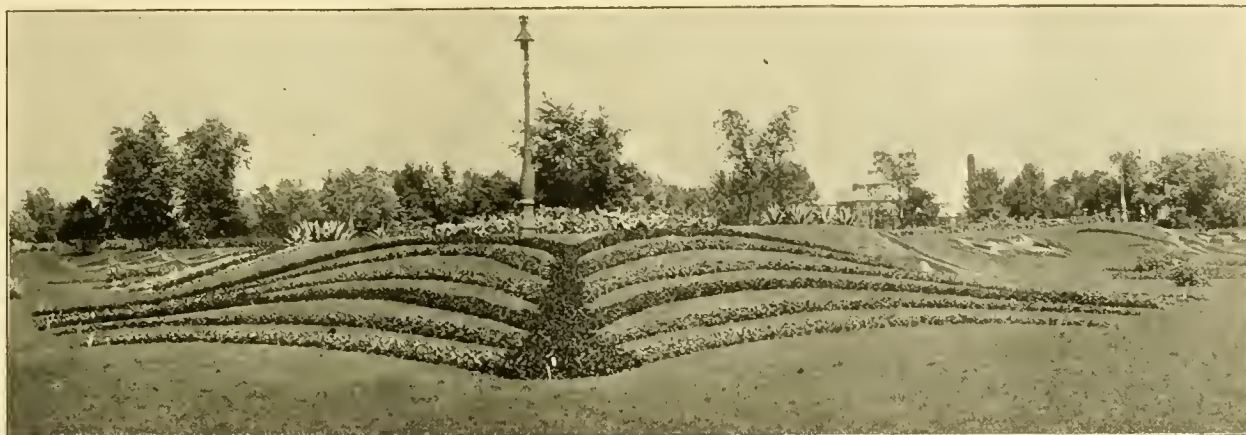
In Erfurt great quantities of cyclamens and pansies are grown for the seed. Ernst Benary's large seed house is one of the most prominent, and is fitted with all modern appliances for the seed business.

Linden's establishment at Brussels is a fine place; his is a very select trade. Together with other fine plants he has a choice collection of orchids. Brussels is called small Paris; there are great number of fine cafes with music. The whole city seems to be given up to amusement at night. Here is where most of the metal flowers are made; large factories employing many hands are numerous, and stores which sell nothing but these goods are to be met with throughout Europe. A great many are handled by the retail cut flower stores, and in nearly all their windows the artificial and the natural are mixed promiscuously, as much prominence given to one as the other. There must be a great demand for this class of work, as it is manufactured extensively.

Great quantities of palms are grown in Ghent, there being over 250 establishments devoted to palm culture. Good plants here bring about the same as in the United States for equal quality. Young stock seems scarce, and growers are not anxious to sell small sizes. We have more young latanias on this place than are to be found in all Belgium and Germany put together. A great many araucarias are grown here, and from present appearances they will be quite plentiful in a year or two. One place had 25,000 cuttings coming on. Paris is their best market, and takes many thousands of these plants annually. In the demand for all classes of foliage plants Germany and England prefer tall specimens, while France and the United States like those of a more stocky, bushy growth. The methods of the Belgian growers seemed more modern than those of the Germans; they pursue much the same plan as is adopted in this country.

The more modern houses in Ghent are built in blocks together, with the walks under the gutters, which were supported on Tiron arches, thus economizing considerable valuable space. The winter had been unusually severe, the thermometer registering 13° to 15° below zero the latter part of January.

Vincke in Bruges had an immense place, his specialty being orchids, to which he had forty houses devoted entirely. Twenty-five of these were filled with *Odontoglossum crispum*. They were all in pots on step stages and side benches. His best market is the city of Paris. For last New Year's day his orders from one large dealer amounted to 25,000 francs (\$5,000); this was for *Odontoglossum*



CARPET BEDDING IN WASHINGTON PARK, CHICAGO, THIS YEAR.

crispum alone. He supplied nearly all the orchids for the funeral of President Carnot.

Among the plants grown largely in Europe that are not so much thought of here are *Aralia Sieboldi*, which is grown extensively and considered as good as a palm, and *Cyperus alternifolius*; this latter seems to have a large sale, and is certainly a very useful plant as they grow it. Very few dwarf oranges or ardisias were to be seen, no one making a specialty of them. *Farfugium* was another scarce plant. They seem to take things easier over there than we do. In Ghent men go to work 6:30 a. m. and quit at 7 p. m. They eat five meals a day—breakfast 7:30, lurch at 10, dinner at 12, lunch again at 4 and supper after 7. This is the invariable custom throughout Belgium. There are very few women employees in Belgium, but in Germany women are largely employed, and some were seen doing very menial work, such as putting coal into stoke holes and other like drudgery. All through Europe watering is done entirely from the can, a boy carrying from the cistern to the man employed. As in England, there were no windmills, elevated tanks or system of pipe connections anywhere to be seen. Handbarrows are used exclusively, wheelbarrows seeming to be unknown.

In Ghent plants are hauled about the streets to depots and other places of delivery by dogs hitched up to low wagons, and it is astonishing to see the loads they

pull at a full gallop. They are hitched up in single and double harness, and four in hand. A good dog is valued at one-fifth the price of a horse. Wages in Belgium compared to those paid in the United States seem very small; good journeymen receive 2 francs per day (40 cents); a few get 50 cents (2½ francs), but these are exceptionally good men.

Travel on the continent is somewhat different from what it is here; they have in Germany what they call corridor cars; these have a passage all along one side with doors into the apartments. The cars are heated by steam. You order your meals en route, from the conductor, who telegraphs ahead and in about an hour or at the next stopping place you get a basket containing dinner which you eat at your leisure; you can get a very good lunch for 38 cents. At the various stopping place boys run up and down in front of the cars with glasses of beer on trays, you buy what you want and drink as you please, leaving the glass in the car. At the hotels everybody must be tipped, from the head waiter down, this is quite an item of expense, as 4 to 5 people have to be seen at nearly every hotel.

In Brussels eclaireage was charged for, which meant light, this was in one instance used half an hour and cost 40 cents. To ask for water at table always caused a look of astonishment, as it is never served at meals and always put the waiters to considerable trouble. Cheap wines or beer are the universal beverages.

In Belgium there are a great many saloons, but we did not notice much if any drunkenness.

Throughout Europe all seemed much interested in the business in the United States, but found it hard to believe facts as to the quantities of certain varieties of plants that were grown and handled here easily, and of which they found it very hard to get any amount of stock. The statement that 1200 plants of *Doryopteris nobilis* had been raised from one batch of seed, or that a single firm had in one season handled thirty thousand *Davallia stricta* was too much for one large grower, and by his incredulous looks he seemed to think the American eagle was spreading his wings a little and allowing flight to his imagination. Taking it all in all the business seems to be managed here, fully as well if not more systematically than on the other side. As a rule they take things easier than we do. If they could see the hurry and bustle in one of our large places during the busy shipping season, it would be a revelation to most of them.

K.

Rochester, N. Y.

Still the weather is very dry; planted-out stock makes but little headway, and what little rainfall we had here was not enough to moisten the ground an inch deep. If we do not get a good long rain very soon, such stock as carnations, bouvardias, violets, etc. will be rather

small and weak by the time they ought to be housed.

Trade at this time of the year does not amount to much; sales are small and prices low. Sweet peas are of extra good quality in spite of the dry summer, but the cool weather we have had the past two months seems to suit their wants and they are in full vigor yet.

Building is going on at Keller Sons' place, a carnation house 110 feet long and a new propagating house 100 feet are going up, also rebuilding of potting sheds and enlarging of the palm house, besides repairing nearly all of the other houses is contemplated. J. M. Keller of that firm will take his vacation and visit Detroit and Lake Michigan on a fishing tour.

Visitors in town the past week were Mr. Gus. Bennett accompanied by Mr. Burke from Pittsburg; Mr. Ed. Burque of Mr. C. Dards, New York, is spending his annual vacation here in town, and is enthusiastic over the many attractions in and around this city. J. B. K.

St. Louis.

This week found the business very dull, nothing to speak of except occasionally a funeral design or a small summer wedding, but the market is not overstocked with roses, as nearly all the florists are planting with new plants, and from the looks of their houses everything is lovely for the fall trade.

Felter & Bruecker have built four new houses at the corner Lexington and Newstedt avenues, their new place. Two of the houses are 97 feet long by 18 wide both half span, and the other two are 97 by 11. They will grow for the trade. Mr. Felter has had charge of Mr. Klockenkamper's place while that gentleman was Supt. of Public Parks for four years, and as Mr. Klockenkamper is about to retire he will run his own place.

Connon Floral Co. have given up their branch store at Franklin and Grand avenues and will do all their business at one place.

Mr. and Mrs. H. W. Chandler, Jr., of the Chandler Floral Co. have left town, to be gone for the summer, they will visit all the principal cities in the east.

The regular meeting of the club was held Thursday night, July 11, and the attendance was good, the best for some time. The matter of meeting again in the afternoon was brought up and read for the first time. Everybody seems to favor afternoon meetings now, as the night meetings were a failure. This will be good news for our suburban members. A letter was read from the Carnation Society asking the appointment of a committee of two growers and one retailer to examine new carnations, the committee is as follows: Harry Young, F. J. Fillmore and J. J. Beneke. Mr. John W. Kunz was appointed a committee of one to look up rates for the S. A. F. meeting at Pittsburg, and to report at a special S. A. F. meeting to be held this month to ascertain who and how many are going.

Nomination of officers was next in order; for president F. C. Weber, Harry Young, F. J. Fillmore and J. W. Kunz were nominated. For vice-president C. A. Kuehn and J. J. Beneke. For secretary Emil Schray. For treasurer John Young. Trustees; A. Waldbart, H. Truesdell, H. Ostertag, R. F. Tesson, Wm. Ellison, and Tom Carroll. At the next meeting, August 8, the election will be held and the second reading of the motion to change the meetings back to afternoons. We hope that our suburban members will come in full force. The picnic committee

held another meeting July 9, and transacted all the business it had in short order. The programs have gone to press and will be out in a few days, and every florist in the city and vicinity will have one. The Florists' Gun Club will have a shoot at the picnic and the first prize will be a silver combination ink stand, and the second prize will be a silver flask; both prizes are given by one of our leading jewelry houses. A band of music has been engaged and dancing will be in order in the evening on Sunset Hill. The timetable of trains will be printed on the back of the program. All prizes are displayed in the window of the Jordan Floral Co.'s store.

The bowling July 10 was very interesting, and a large crowd was in attendance and saw the Japs go down before the Chinese to the tune of 2411 to 2348. Mr. C. A. Kuehn made the highest single score, 246, and J. J. Beneke rolled 605 in 3 games. All the boys are practicing hard for the picnic and all want to win the gold watch. The committee has bought a gold chain and charm to be given to the one making the highest single game. Here are the scores of Wednesday's roll:

THE SCORE.					
JAPS.					
Names.	1	2	3	Totals	P.
A. Waldbart	97	118	119	331	4
C. A. Kuehn	173	120	246	539	1
H. Young	181	170	166	517	
C. Beyer	165	213	179	557	
F. Fillmore	133	132	136	401	
Totals	749	753	846	2348	5

CHINESE.					
Names.	1	2	3	Totals	P.
J. Young	141	146	160	447	
Rob't Beyer	141	186	125	455	
Fred Weber	165	154	157	476	1
C. Saunders	129	127	172	428	1
J. J. Beneke	210	206	189	605	
Totals	782	819	803	2411	2

J. J. B.

Philadelphia.

Hot weather is with us once again, the past few days being uncomfortably warm. All stock in the fields is coming on nicely, carnations are looking particularly well and roses are growing rapidly. Inside stock for summer cutting is now in good shape and some quite long stemmed roses of such kinds as Kaiserin and La France are to be seen in the growers' boxes; \$3 to 4 per hundred is the prevailing price. Meteor also looks well and is a good seller at the same figure. Sweet peas, achillea and carnations about complete the assortment.

Quite a number of the growers are planting *Adiantum cuneatum* for cutting, there will probably be fifty per cent. more of this about next winter than there was last. Farleyense will also be given more attention. The demand for smilax, except for decorations, has fallen off considerably the past year or two, and even in this field it has a strong rival in asparagus, while for bouquet and design work the finer and more graceful ferns have almost entirely superseded it.

Robert Crawford, Jr. of 11th and Locust, is overhauling things generally, his store is being torn up inside and is to be rearranged and finished up in first-class style. White and gold are to be the prevailing colors, and a large and handsome refrigerator with plate glass front doors will be the chief feature. Robert is a hustler and his rapidly increasing trade is the natural result of his untiring industry.

The Gun Club have accepted an invitation to visit the country seat of Mr. H. H. Battles at Newtown Square, about 14 miles out on Saturday, July 20. The members of the club have engaged a tally-ho

and will drive out. This will no doubt be a very merry occasion. Traps will be set up and the good natured rivalry so prevalent at occasions of this kind will bring out some good scores.

Messrs. John N. May of Summit, N. J., Joseph Kit of West Chester, Pa., Robert Craig and Robert Kift of Philadelphia, will leave for a six or seven weeks stay in Europe, by steamer Germanic from New York on July 31.

Messrs. G. C. Watson and J. M. Thoires, Camden's busy florist, have been spending a few days fishing at Anglesea, N. J., they report having had a good time and enjoyed themselves hugely.

Jacob Becker and family are bathing in the surf and inhaling the ozone at Atlantic City.

Samuel Y. Heebner has sold his entire interest in the La Roche & Stahl Co., Limited, and has no further connection with the firm.

Harry Bayersdorfer arrived home July 12 on the Normannia; he had a nice trip and brought lots of novelties. K.

Indianapolis.

The delegation of florists, as agreed, left June 11 for participation in the floral parade at Noblesville, Ind. From information received, it was an amateur performance all through, and on account of a scarcity of flowers very few carriages and wagons were decorated. The boys were, however, royally treated.

The regular monthly meeting of the Florist Club was held on July 3; after the regular business was disposed of the room was given up to the state society's committee on arrangements for the annual chrysanthemum show, the members having been already in session in the afternoon, but adjourned to await the arrival of several of their number who promised to come in the evening. E. G. Hill, J. S. Stuart and W. W. Coles were present from outside of Indianapolis. Many special premiums were received by the secretary, which were placed to the best advantage. A special feature will be the placing of four vases in the middle of the hall, each containing 100 specimen blooms of chrysanthemums in four colors, yellow, white, red and pink. Committees were appointed for the different departments, and other preliminary work completed. Tomlinson Hall will appear in a new coat of frescoing and painting, new lights, and other improvements, which will add materially to the appearance of the coming show. After many promises by different city boards of works the present board has finally come to the conclusion that something had to be done to bring the hall in better sanitary and more artistic condition. Refreshments were served by the local society, and entertaining speeches kept all concerned together until a late hour. The annual outing of our club occurred Tuesday, July 9, at the Bellevue Club House; about forty florists and amateurs participated. While bowling was the main feature, base ball came in for a good deal of attention; it was a great game, nothing like it was ever seen, such pitching, catching and field work was astonishing. Several balls and bats were used up during the game, no one, however, got hurt, but the next two days, stiff limbs and complaints of that tired feeling could be heard in many florists' places about the city. It was fun, glorious fun. The prizes in bowling were carried off by those who had not played for a long time, or never played, and those considered champions had to take a back seat. Boating was on the program; well,

several attempted it, but did not get very far from the canal; sticks, rocks, etc., flew in torrents around the boats from the bowlers, splashing water all over the poor pleasure seekers. It was nearly midnight when the last ones ran to catch the last car for home.

The talk is revived about issuing shares in sufficient amounts to build a bowling alley for the Florists' Club's use at one of the members' places. It will very likely be accomplished.

A visit to the Garfield Park recently found everything in as good shape as can be expected with the scarcity of water and the intense drouth; no good rain has fallen for a long time. Mr. McKead has supplied all the small parks with plants; with the new park commission now in office we can expect something better of the park system than formerly.

E. G. Hill, of Richmond, reports the wholesale business booming.

Geo. Fulle, of Fulle Bros., Richmond, was married at that place during the month of June.

Mrs. O. G. McCormick, Logansport, is starting in business with two greenhouses for general florists' trade at 700 Helen street.

Mr. Meyers, at Bluffton, is building a show house and storeroom.

Rushville, Ind., will now get a live florist, Geo. F. Moore is building a new place for a general florist's business.

C. A. Keman, Connersville, is remodeling and adding to his place, including a larger storeroom.

The summer dullness is starting in unusually dull; people are flocking away in all directions. W. Bertermann will start on his usual summer vacation to the Wisconsin lakes on July 20. About ten florists will take in the Pittsburg convention from this neighborhood.

July 15 a very slight hail storm occurred in the north part of the city, while heavy and rattling no damage was done to any glass. W. B.

Cincinnati.

Some rain has fallen during the last two weeks, but not enough, and we are again suffering from very warm, dry weather and kicking as hard as ever. What a lot of things we have to kick about this year. Flowers of all kinds are coming in very abundantly, and may be had at your own figures if bought in quantity. First-class roses are very scarce and would bring fancy prices if they could be furnished, but very few are to be had; they are getting smaller every week. Carnations are very plentiful, especially white, which is very good for this season. Sweet peas the same, and sell at any price, but still there is a moderate demand for most all sorts of flowers, and the store hands are kept fairly busy considering the advanced season. Lawn and dinner parties require some flowers, and although prices paid on such occasions in summer can not be compared with those of mid-winter, something at least is made by the lucky party who gets the orders.

Plant trade is entirely out of the way now, and great quantities of bedding stuff have been disposed of, more than at any other season as long as I can remember, but as prices were way down the growers had to be satisfied with small profits.

Our florists are having considerable trouble with asters, the plants look healthy, but there is a black bug eating them.

Our second annual picnic is progressing splendidly, and if we have a favorable

day we will have a much larger crowd than last year. July 25 is the date, at Wooddale Island. All our friends are invited.

EXERCISES AND PRIZES AS FOLLOWS:

Class 1. Bowling contest, team of six making largest score in three bowls. Cash prize \$6.

Class 2. Quoit pitching, team of four making largest score in one game. Prize, silver cup.

DINNER.

Class 3. Bicycle race, not less than three entries and two starters. Prize, pin charm.

Class 4. Donkey race, not less than five entries and three starters. Prize, budding knife.

Class 5. Boat race, handicap, not less than five entries and five starters over river course, up and back from given point not less than half mile. Prize, silver cup.

Class 6. Fat man's race, not less than fifty yard dash and back. Weight 175 pounds and over. Prize, elegant pipe.

Class 7. Lean man's race, not less than fifty yard dash and back. Weight 150 pounds or less. Prize, box (2) cigars.

Class 8. Boy's race, fifty yards and back, age 16 years and less. Prize, \$1.

Class 9. Young ladies' race, fifty yards one way. Prize, silver tea spoon.

Class 10. Girl's race, 15 years and under fifty yards one way. Prize, \$1.

Class 11. Sack race, open to all, fifty yards one way. Prize, \$2 to party stopping half way, getting sausage and finishing.

Class 12. Wheelbarrow race open to all, fifty yards and back. Prize, box (50) cigars.

Class 13. Boy's ball game; five inning game store boys vs. growers. Prize \$2.50.

Class 14. Ball game between storemen and growers, nine innings to game. Prize, \$10.

Phillip Popp has a fine lot of small primroses and says he will have finer plants this season than last; he certainly does grow the finest primroses around Cincinnati.

Fred Gear, an over-the-Rhine florist, is the happiest man in town; twin girls this time.

Wm. Bolia, who has been on the sick list for the past month, is slowly recovering. P.

Chicago.

Geo. Wittbold is building three new houses and rebuilding four of his old ones, also adding a new boiler house and potting shed. The addition and improvements will be devoted to palms and ferns, Mr. Wittbold's specialty.

Albert Fuchs has sold out his greenhouse establishment located on Evanston avenue, Lake View, to Louis Martini, who bought out and is now conducting the store on Division street formerly owned by A. Fuchs. Mr. Martini took possession July 14.

This week trade is extremely quiet, and Chicago may join the procession in proclaiming that the summer dullness is on. There seems to be no shipping trade, and local conditions are equally flat. The rose stock coming in is, as a rule, of very poor quality, flowers being both small and flimsy, and a good deal of it very short-stemmed. The average price is \$2, occasionally \$3 for extra select stock. Meteors are about the best sellers and the best in quality; Perles also sell quite well. While \$2 is quoted as the average price in large lots \$10 per 1000 is the outside price.

Carnations have dropped, none now going over \$1, which is best stock; 50 to 75 cents for medium grades. Sweet peas are down to 10 and 15 cents a hundred, so some of the growers have ceased cutting them. There is a great deal of outdoor stock of all classes, and while most of it is sold it goes at low prices. Smilax is very plentiful, and only brings 8 to 10 cents a string. There seems an oversupply of it all through the west.

While going home from her store at 3911 Cottage Grove avenue the evening of July 10, Mrs. Henry Hilmers was attacked by three footpads, two men and a woman. She held on to the satchel con-

taining her money and succeeded in getting away.

The firm of J. B. Deamud & Co. has been dissolved, Mr. Deamud retiring, and the business will be carried on in future by Messrs. Bassett & Washburn, under their firm name.

At the bowling practice games last Thursday evening the banner scores were 263 and 233, both made by J. S. Wilson.

New York.

Trade in flowers is at a standstill, but time does not drag, for the monotony of this dull season is relieved by the deep interest taken by everybody in all branches of the trade in the affairs and plans of the New York Cut Flower Company, which has furnished a fruitful theme for conversation and argument for the past month. The meeting of growers called by the company at the Grand Union Hotel on July 12 was a large one, there being about eighty gentlemen present, many of them small growers who are seldom seen in New York city. The president of the company, Mr. Ernst Asmus, presided, and remarks were made by Messrs. C. W. Ward, Paul M. Pierson, John H. Taylor and others setting forth the scheme which the company seeks to establish, and showing the benefits which they claimed would accrue to the small grower from a concentration of product. Many questions were asked as to the various details of the proposed plan of business and the discussion lasted for two hours, after which the growers present were invited to come forward and sign the agreement binding them to consign their goods to the company for the space of one year, and several responded. At last reports a satisfactory location or acceptable manager had not yet been found.

The planting at Glen Island is very fine this year, rivaling that in many of the parks, and will be a surprise to one who sees it for the first time. One of the handsomest features is an avenue bordered with masses of tall musas, pandanus, acacias, crotons, tree ferns and other tropical plants, orchids being suspended from the trees overhead. There are some fine examples of mosaic bedding, also groups of herbaceous plants, cacti, cannas, grasses and aquatics, and under the trees where the shade is too dense for grass English ivy makes a luxuriant carpet. Among the things worthy of note are several large plants of Erythrina crista-galli just coming into flower, and which to seem to be admirably fitted for summer decorative work. Mr. W. R. Smith, who recently accompanied a party to this attractive spot, characterized it as "a great object lesson for the people, bound to exert a powerful influence for horticulture. The people are being fed in spite of themselves."

The destructive cyclone which struck in this vicinity did considerable damage to greenhouses in its path. The hailstones, according to the local papers, were all the way from the size of a hickory nut to that of a base ball, and they made a clean job of it wherever they fell. Among the victims were Chas. Amman and Louis Kinkel, Harlem, and Geo. Welch, A. Ackerson, J. Acker and J. Patterson, of Ramsey. The extensive greenhouses of the late Hon. Wm. Walter Phelps at Teaneck were also badly damaged, and the entire roof of John Conrad's establishment at Fordham was carried away. Many fine trees were uprooted.

Mr. W. R. Smith, of Washington, has been spending a few days in New York, he having come here to meet some rela-

tives from Scotland who are visiting America for the first time. Other strangers in town the past week were Henry Kramer, Washington; Secretary D. D. L. Farson, Philadelphia; W. H. Elliott, Boston; A. W. Bennett and Geo. W. Burke, Pittsburg, Pa.

Alfred Dimmock sailed on July 13 for England. J. N. May and Robert Craig are scheduled to sail on July 27. P. Bruno Meissner has gone to Liberty for the summer and his Flatbush associates expect to see him come back fully restored to health.

Robert B. Young has recently returned from a trip through Canada and Northern New York. The look of happy resignation on his countenance has given rise to some suggestions the correctness of which Robert has not yet been induced to affirm or deny.

Chas. Schnell has given up his florist store at 814 Columbus avenue.

A decoration of orange flowers on Tierney's horse caused much hilarity in Twenty-eighth street and brought consternation to Tierney's heart on the morning of July 12.

"Compare slips."

Boston.

The only activity noticeable in the flower trade in any department is the demand for funeral flowers. This has been the case for the past week and white or light colored stock of good quality has found a fair market. Besides white carnations and roses there are now some good white asters coming in and achillea, gypsophila, white sweet peas, etc., are to be had in abundance. The usual summer demand from the sea side resorts has not been heard from yet, and shippers are anxiously waiting for the first call.

M. H. Walsh showed some fine hollyhock blooms at Horticultural Hall on July 13. The magnificent spikes of these showy flowers as shown in former years are missing at this year's shows. The detestable disease has made terrible havoc with the plants everywhere.

Two portly representatives of Boston floriculture made a trip to Old Orchard Beach, Me., a few days since. The races proved such a potent attraction that the time table was forgotten, the evening train for Boston missed and the much disgusted pair found themselves booked for a cheerless wait until 4 a. m., the next day and not even a — well, it was "down in Maine where they have to drink rain."

Visited Boston: P. O'Mara, Geo. Sykes representing Lord & Burnham Co., and C. W. Weathered, New York, Geo. E. Hunt, Terre Haute, Ind., and A. T. Bodding, Short Hills, N. J.

Saddle River, N. J.

A cyclone accompanied by a terrific hail storm swept over Bergen County, N. J. on the 13th inst. Among the greenhouses injured are those of Geo. Welch, 5,000 feet broken, Wm. Thurston, 2,500 feet broken; Jacob Peters on and Abram Acker, about 1,000 feet each, all of Ramseys, N. J., no insurance. J. G. & A. Esler, Saddle River, N. J., lost 1190 feet of double and 250 feet of single thick glass. A. C. Tice and James Bartow of Saddle River, both vegetable growers each had a small greenhouse wrecked. D. A. Hopkins, Park Ridge, N. J., 300 feet single thick. Herbert Forbes 800 feet and Henry Hales of Ridgewood lost a few lights. Forbes and the Eslers were the only ones insured. Trees were up-rooted, houses and barns blown down and the village of Cherry Hill, N. J. completely

wrecked. Many of the hailstones weighed a quarter of a pound each. J. G. E.

Pittsburg.

Mayors Kennedy and McKenna and City Comptroller Gourley will make short addresses on the first day of the convention, which will close with a reception at the Schenley Park Casino. On the second day the ladies will be given a carriage ride. The third day's diversion will be a bowling tournament. On the fourth day the steamer Dakota will take the visitors down the Ohio river to the dam, and thence up the Monongahela to Homestead, where Mr. Frick will conduct them through the mills.

TRENTON, N. J.—Mr. George Wainwright, Jr., never recovered from the shock of his broken limb, and died peacefully on the 10th inst. It seemed to his friends as though some injury must have occurred to the spine. He was an unusually large and heavy man, and the force with which he was thrown from his wagon in the runaway undoubtedly resulted in some shock to the nerve centers.

DAVENPORT, IOWA.—Henry Pauli, for the last eight years with C. Dannacher, has started in business for himself near Oakton Station, on the Chicago, Milwaukee & St. Paul R. R., and is building one house 18x100 for cut flowers, and one 8x100 for propagating, heated by steam. He has two acres of ground.

MUSCATINE, IOWA.—Mrs. Conrad Kranz, widow of Conrad Kranz, whose death was reported last month, died July 13 of a complication of kidney and liver trouble. The business will be carried on by the son, Emil C. Kranz.

ROCK ISLAND, ILL.—Henry Gaethje, whose houses were on leased land, has bought across the street, and has commenced to build two houses, the commencement of a range.

MOLINE, ILL.—Julius Stack is busy tearing down and rebuilding a range of eight greenhouses, most of them 18x100, for roses, smilax, palms and carnations.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—As head gardener. Competent, and fully qualified. Age 30. Apply ISIDOR NAJEN, Pawlog, N. Y.

SITUATION WANTED—By good all round florist; 6 years with one firm, 3 years as foreman; married. Address HENRY, care Am. Florist.

SITUATION WANTED—By a young man, single, S aged 21 1/2 years; experience in nursery and 4 years in the florist business. Good references. Address M. L., care American Florist, Chicago.

SITUATION WANTED—As working foreman in a commercial place; first-class propagator, cut flower and plant grower; quick, sober and reliable; married, no children. Good references. Southern states preferred. C. A. MOSS, 174 Angler Ave., Atlanta, Ga.

SITUATION WANTED—By a middle aged florist, sober, industrious, as foreman. Good rose and truck grower, landscape gardener, maker up; understands business. One in need of such a man, write me. State wages and other facts. Address J. K., care M. M. Conarroe, Irvington, Ind.

WANTED—500 feet of Hitchings 4-inch pipe and fittings. I. L. PILLSBURY, Galesburg, Ill.

WANTED—200 ft. 2-in. wrought pipe for hot water, new or second-hand. Also boiler for same. C. L. BRUNSON & Co., Paducah, Ky.

WANTED—Perles, Bridesmaids and La France, 1000 of each from 2 1/2-inch pots; must be good stock and cheap. Address R. R., care American Florist.

WANTED—A wire worker who has had experience in florists work. WISCONSIN FLOWER EXCHANGE, Box 87, Milwaukee, Wis.

WANTED—Two thoroughly responsible salesmen, one living in Chicago and the other in Boston. Must be acquainted with wholesale and retail florist trade. Address with references, MERWOOD, care American Florist.

WANTED—Man to take entire charge of greenhouse and help with repairs. Will pay \$20 per month and board, and more if business increases. Good place for greenhouse. Single man preferred. MRS. M. J. HYDE, Rochester, Minn.

WANTED—A first-class working foreman to take charge of 1500 feet of glass and grow roses, carnations and general stock; also good propagator. State wages and references. Only expert need answer. FOSTORIA FLORAL CO., Fostoria, O.

WANTED—By Aug. 1st man with some experience in greenhouse work, willing to do any kind of work in a large commercial place. Wages \$15.00 per month and board. Apply with references to THE LOVETT Co., Little Silver, N. J.

WANTED—Thoroughly first-class horticultural solicitor to solicit orders from amateurs. Liberal arrangements made with satisfactory man. Address, giving experience and references. J. WILKINSON ELLIOTT, Pittsburg, Pa.

FOR SALE—One hot water boiler and 700 feet 4-inch pipe. H. S. Roof, Westminster, Md.

FOR SALE—An 8 horse power steam boiler, used for hot water; in good condition. Price \$75.00. I. L. PILLSBURY, Galesburg, Ill.

FOR SALE—1200 feet 4-inch cast iron soil pipe, fittings, 3 valves, expansion tanks, for heating three houses. Must be sold at once. Pipe in good condition and most of it comparatively new. FRED J. KING, 20 Madison St., Ottawa, Ill.

POSITION WANTED.

Private or commercial. Thoroughly practical with orchids, stove and greenhouse plants, roses, carnations, violets, chrysanthemums, etc.; landscape work and floral decoration. Fully capable of managing all round place. 25 years' experience in private and commercial places. Single. English, steady and sober. A. care Am. Florist, 67 Bromfield St., Boston.

FOR SALE.

1700 feet of 4 inch pipe, 8c. per foot, cash. One Foster boiler, 12 sections, will heat the above amount of pipe, cost \$260, will sell for \$100, cash.

WM. A. BOCK, North Cambridge, Mass.

For Sale or Rent.

My greenhouse establishment on Belmont Ave. near Western Ave. The place consists of 48 lots or 2 1/2 feet front on Belmont Ave. by 700 ft. deep, 3 cottages, two two-story frame houses, 22 greenhouses from 10 to 200 feet in length and from 12 to 20 feet in width. The whole place can be bought or rented. Can also be divided, 24 lots with the greenhouses on it, and 24 lots with the other improvements on it. The place is in good order, and a large stock is on hand; is one of the largest of the kind in Chicago. A good chance for some young man with some means, or for a corporation; and as I wish to retire from business, it can be had reasonable, and on easy terms. If rented, a long lease can be given.

AUGUST DRESEL, Belmont and Western Aves., Chicago.

Assignee's Sale.

By virtue of an order of the Court of Common Pleas of Venango county, Penna., C. P. D. No. 4, November term, 1883, the following effects assigned to me by James S. McGarry for the benefit of his creditors, to-wit: The lease of lot corner Liberty and Eighth Sts., two greenhouses, one house 18x41 ft., one 2x10 ft., two Hitchings boilers, size 16, corrugated fire-box, four Hitchings expansion tanks, six Hitchings ventilators with 48 arms, about 1 1/2 ft. 4-inch pipe. All plants, and accessories will be sold in bulk at public sale to the highest bidder. Sale will be on the premises, corner Liberty and Eighth streets, Franklin Venango county, Penna., Friday, July 26, at 10 o'clock a. m. The above will be sold subject to the lease of the lot. Copies of said lease can be secured by a prospective bidder on application to the assignee. All bids sent by mail must be accompanied with good reference.

GEORGE V. ADELMAN, Assignee, 60 Thirteenth Street, Franklin, Pa.

California Grown CALLAS.

Finest bulbs, selected by us in California.

PRICE, \$5.50, \$6.50 and \$8.50 per 100.

FREESIAS.

Largest stock and lowest prices.

\$2.75 per 1,000 and upwards, according to sizes.

VAUGHAN'S SEED STORE,

NEW YORK, CHICAGO, 26 Borelay St. 84 & 86 Randolph St.

Cleveland.

We want rain and we want it bad. The wind and rain storm in Chicago and the west, of which we have had newspaper reports, brought us nothing save a few miserable scattering drops that amounted to somewhat less than a decent fall of dew.

A visit to various greenhouse establishments discloses only the usual sweet, secluded calm that usually pervades such places during the mid-summer season. Some are planting chrysanthemums, some tearing out old benches and doing the patching that is always necessary at this season. One or two that had been figuring on additions to their glass have drawn in their horns, which would seem to be a wise conclusion with the past year as a criterion of future business. We hear an immense amount of talk at various times about "controlling the output" and "regulating prices"—both very good things no doubt—but it should be done at the right end; and that end, in handling perishable goods, is the producer's end. If growers would be careful not to build save when they saw a fairly good prospect of disposing of the product at a decent advance over cost, there would be less stock on the dump-heap and more money in everybody's pocket. Any attempt to persuade one to maintain a fixed price requires considerable confidence in the backbone and good faith of all the others—and they are neither angels nor fools—at least not all of them. It is well to make the last qualification in view of some of our performances at various times. Department stores, dry goods establishments and other institutions of that ilk occasionally advertise goods at less than cost, and some of the time they undoubtedly do so truthfully. Probably these "specials" do bring them other and profitable sales; but the spectacle of florists hustling about the country buying stock which is immediately sold at a price far below the cost is quite a different matter. We have had that type of establishment here. It would seem like carrying a love of euphemism too far to call that kind of business department store management. A much shorter, more profane and expressive phrase would fit better.

A visit to William Leitch's place the other day found every thing in good shape. A lot of asters planted in the houses were looking very fine and will undoubtedly furnish a lot of excellent flowers shortly. Early planted chrysanthemums were also coming along in great shape, and if not allowed to go hungry will be a source of pride to their genial owner.

At Fred Aul's place everything is hurrying. Fred has a lot to do and he is bound to get it done or know why. What with roses to plant, benches to repair, stock to keep in its usual good condition, it begins to appear doubtful about that new house 20x140. In the matter of building "langsam und deutlich" is not a bad plan in these times, and especially if one is up to the ears in urgent work. A.

DETROIT, MICH.—Thos. Gowanloch, in business here as a market gardener, is erecting several modern greenhouses at 1162 17th street, and will establish a retail florist trade.

CAIRO, ILL.—D. C. Linegar has discontinued business and the greenhouse has been torn down. A request is made that trade price lists be not sent to the old address as the parties now there are not in the trade.

The Only Best WHITE VARIEGATED ASPIDISTRA, 100 leaves for 30c; 500 for \$1.45; 1000 for \$2.80. Green ones, good leaves at 9c per 100; good stuff 85c per 1000. Orders for Aug., Sept., Oct. given now, will be most carefully attended to.

Cash or cheque will please accompany all orders.

HCH. SCHULTHEIS, Nurseries, Steinfurth, Naueim, Rath Hesse, Germany.

PREPARE **NOW**
ADVS.

FOR OUR

**Convention
Number**

TO BE ISSUED

AUGUST 17.

For Sale.

CHRYSANTHEMUMS—The Queen, Niveus, Mrs. Jerome Jones, Ivory, Lincoln, Bonaffon, G. W. Childs and Pres. Smith, 2½-in. \$2.50 per 100; 3-in. \$3.00 per 100.
ROSES—3-in. Perles \$6.00 per 100; Brides and Bridesmaids, \$5.00 per 100.

POEHLMANN BROS., Morton Grove, Ill.

FEW PTERIS TREMULA

from 2½-inch pots, 10 to 12 inches high, ready to pot into 4s, \$3.50 per 100; \$30.00 per 1000.

R. WITTERSTAETTER,
SEDAMSVILLE, OHIO.

SPECIALTIES

IN BEST VARIETIES.

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.

VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.
Meatlon American Florist.

25,000 SMILAX PLANTS

from 2½-inch pots, strong and healthy,
\$2.50 per 100; \$20.00 per 1000.

TERMS STRICTLY CASH. Sample orders 10 cents.

FRED SCHNEIDER, Mgr.
CLEVELAND FLORAL CO.,

751 Crawford Street, CLEVELAND, O.

SMILAX,
3-inch pots . . . \$3.00 and \$3.50 per 100
PAEONIES, a fine asst.
Crimson, white, pink, etc. . . \$9.00 per 100
McCREA & COLE, Battle Creek, Mich.

PALMS SELL ALL THE YEAR.

Our 17 collection, 3 & 4-inch \$3, 34 for \$5; 10 4 & 5-inch \$3 50, 20 for \$6; 6 6-in. for \$5. All good selected varieties.
Special sale: Choice Ferns, \$5 00 & \$6.00. Roses, our choice, select, \$2.10. Send for lists.

Williams & Sons Co., Batavia, Ill., Labels & Moss, etc.

Prepare advs. now

FOR OUR

CONVENTION NUMBER,

TO BE ISSUED

AUGUST 17.

Always mention the American Florist when writing to advertisers.

COLEUS.

100 good 2-inch pot plants, in 20 varieties, if wanted, for only \$1.00.

BY EXPRESS. CASH WITH ORDER.

S. O. STREBY,

Lock Box 77,

UPPER SANDUSKY, OHIO.

ADVANCE LIST

Fruit Tree Stocks, Ornamental Trees, Shrubs, Evergreens, Roses, Etc.,

Grown by

P. SEBIRE & SONS,

USSY, (Calvados), FRANCE,

will be mailed on application to their sole Agents,

C. C. ABEL & CO.,

P. O. Box 920, NEW YORK.

New Fuchsia LITTLE BEAUTY, 50,000 Now Ready.

The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100.

BEGONIA Oldia, from 2½-in. pots, \$9 per 100.

GERANIUMS, Marshal McMahon, Happy Thought, Silver Cord, strong plants, from 2-in., \$1.00 per 100. Cash with order. Special price on large quantities. **LINCOLN I. NEFF, Florist,**

4010 Butler Street, Pittsburgh, Pa.

CHRYSANTHEMUMS.

(See list with prices in June 15 number.)

Also Rose "AUGUSTA VICTORIA," in thumb pots, fine young plants, \$5.00 per 100; \$45.00 per 1000.

EDWIN LONSDALE,

WYNDMOOR, near Chestnut Hill, PHILA., PA.

ORCHIDS OUR SPECIALTY.

THE FINEST STOCK AND SELECTION IN THE WORLD.

New and Rare Plants for the Stove, Greenhouse and Conservatory.

SANDER, St. Albans, England, & Bruges, Belgium.

A. DIMMOCK, Agent, care Holker's Auction Rooms, 106 and 108 Liberty Street, New York City
Send for illustrated catalogue.

E. G. HILL & CO.,

Wholesale Florists

RICHMOND, INDIANA.

ADIANTUMS.

Fine plants, strong crowns, 3-in. \$8.00 per 100; 3½-in. \$10 per 100; 4-in. \$12 per 100; 5-in. \$18 per 100.

A few specimen *Latanias* and *Pandanus*. Prices on application.

J. T. WILLIAMSON, Prop. La Rose Gardens,
Memphis, Tenn.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate; Inch, \$1.40; Column, \$14.00. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE color question will be settled in our Convention Number, to be issued August 17 next, by the publication of an accurate chart of 30 colors prepared for us by Mr. F. Schuyler Mathews.

Catalogues Received.

Herb & Wulle, Naples, Italy, flower roots and bulbs; E. H. Krelage & Son, Haarlem, Holland, wholesale bulb list; L. L. May & Co., St. Paul, Minn., trade list seeds; P. Sebire & Sons, Ussy (Calvados) France, trade list fruit tree stocks, ornamental trees and shrubs; Tokyo Nurseries, Tokyo, Japan, Japanese lilies, plants and trees; Wood Bros., Fishkill, N. Y., trade list roses, chrysanthemums, etc.

NOTICE

— OF —

Stockholders' Meeting.

CHICAGO, July 18, 1895.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in Parlor B, Hotel Anderson, Pittsburg, Pa., Wednesday, August 21 1895, at 2 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres
G. L. GRANT, Sec'y.

**ELLIS & POLBORTH,
WHOLESALE CUT FLOWERS,**

137 Oneida Street,

Box 75. MILWAUKEE, WIS.

**WISCONSIN FLOWER EXCHANGE,
CUT FLOWERS, PALMS AND FERNS**

FRESH CYCAS LEAVES 75 cts
ASPARAGUS PLUMOSUS 40 cts.
SPECIOSUM LILIES, 3 cts.

TRY OUR LIQUID PUTTY.

Box 87, MILWAUKEE, WIS.

**H. L. SUNDERBRUGH,
Wholesale Florist**

4TH AND WALNUT STREETS,
Cincinnati, O.

**SAMUEL S. PENNOCK,
Wholesale Florist**

REAR OF 42 S. 16th STREET,
Philadelphia, Pa.

Dissolution Notice.

HINSDALE, ILL., July 17, 1895.

The partnership heretofore existing between J. B. Deamud, O. P. Bassett and C. L. Washburn, as J. B. Deamud & Company, is this day dissolved by mutual consent, said Deamud having retired from the business. Messrs. Bassett & Washburn are alone authorized to collect the accounts, and will continue the business at the old stand.

J. B. DEAMUD.
O. P. BASSETT.
C. L. WASHBURN.

BASSETT & WASHBURN,

Successors to J. B. DEAMUD & CO.,

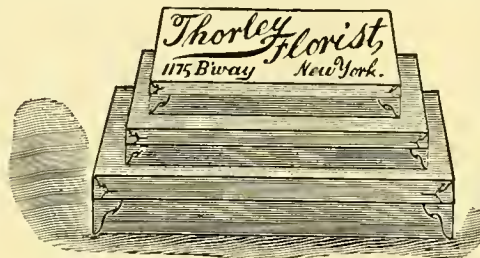
GROWERS AND
WHOLESALE
DEALERS IN

CUT FLOWERS,

CORNER WABASH AVENUE.

34 & 36 Randolph Street, CHICAGO.

We shall do our level best to serve our friends with promptness and with as good stock as can be had in this market, and at the lowest price, quality considered. **WE ARE STILL HEADQUARTERS FOR AMERICAN BEAUTIES.**



The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,

NEW YORK SALESROOM: 132 & 134 Franklin Street. 315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.

"The National"

Folding Flower Boxes are the best and most convenient ever put upon the market. They are made from board, manufactured especially for these goods, and made so as to resist moisture, thereby keeping the flowers fresh, and the box holding its shape.



**Hardy Cut Ferns,
BOUQUET GREEN,**

Laurel and Green Festooning, Wreaths, Etc
SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON

**DAN'L B. LONG,
WHOLESALE CUT FLOWERS,**

495 Washington St., BUFFALO, N. Y.

SHIPPING ORDERS CAREFULLY ATTENDED TO.
OTHER SPECIALTIES:

Florists' Supplies, Wire Designs, Bulbs,
Long's Florists Photographs.
Catalogues, Lists, Terms, etc., on application.

**W. ELLISON,
WHOLESALE
Cut Flowers and Florists' Supplies**

WIRE DESIGNS.
1402 PINE STREET,

St. Louis, Mo.

Mention American Florist.

**C. A. KUEHN,
(Successor to ELLISON & KUEHN.)**

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

**THE NEW YORK
CUT FLOWER CO.**

The above company, composed of the leading growers in the vicinity of New York, are now prepared to arrange for selling Cut Flowers of every class on the co-operative plan, and invite all growers to join us; guaranteeing them the best prices obtainable according to the market rates, and full returns for the same weekly.

OUR MOTTO: Fair Dealings, Open Books and Prompt Payments.

PROFITS DIVIDED PRO-RATA.

ERNST ASMUS, President.	Ernst Asmus, Eugene Dalledouze, Geo. W. Hillman, Jr John N. May.
JOHN N. MAY, Vice-Prest.	Frank McMahon, Louis M. Noy, S. C. Nash,
PAUL M. PIERSON, Sec'y & Treas.	Paul M. Pierson, Geo. Saltford, John H. Taylor, C. W. Ward.

Directors.

Mention American Florist

E. H. HUNT,
WHOLESALE FLORIST

68 Lake Street, CHICAGO.

WHOLESALE CUT FLOWERS,
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

During July and August our store will not be open after 6 p. m.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
and FLORISTS' SUPPLIES.
34 & 36 RANDOLPH STREET,
CHICAGO.

T. J. CORBREY,
Wholesale Commission Florist,
59 Wabash Ave., CHICAGO.

If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

A. L. RANDALL,
Wholesale Florist,
126 Dearborn St., CHICAGO.

Agent for finest grades Waxed and Tissue Papers.

Reinberg Bros.
WHOLESALE CUT FLOWERS,
51 WABASH AVENUE,
CHICAGO.
Telephone Main 4937.

Our Roses best them all, in quality.
Headquarters for fine American Beauties.

WM. E. LYNCH,
(Successor to NILES CENTER FLORAL CO.)
WHOLESALE CUT FLOWERS,
59 WABASH AVENUE,
CHICAGO.
SHIPPING TRADE OUR SPECIALTY.
Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
41 WABASH AVENUE,
CHICAGO.

We are prepared to fill your orders with first-class flowers. Give us a trial order.

A. G. Prince & Co.,
WHOLESALE
COMMISSION FLORISTS,
41 Wabash Avenue,
CHICAGO.
Telephone Main 3208.
Consignments solicited. Prompt attention to all orders.

Asparagus Plumosus Nanus.
Cut Strings, 8 to 10 feet long,
50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Cycas Leaves. FRESH CUT
each 75c.
VAUGHAN'S SEED STORE, P. O. Box 688, Chicago.

Wholesale Markets.

Cut Flowers.

NEW YORK, July 16.	
Roses, general list.....	1.00@3.00
" Beauty per 100.....	5.00@10.00
" Beauty extra.....	5.00@20.00
" ordinary.....	1.00@5.00
Carnations, ordinary.....	.10@.35
" extra.....	.50@1.00
Valley.....	2.00@4.00
Sweet peas, per 100 bunches.....	.50
Lilies.....	6.00@8.00
Smilax.....	10.00@15.00
Adiantum.....	.75@1.00
Asparagus.....	50.00

BOSTON, July 16.	
Roses, general list.....	1.00@3.00
" Beauty.....	5.00@25.00
Carnations.....	.25@.50
" extra.....	.75@1.50
Asters.....	1.00
Valley.....	2.00@4.00
Sweet peas.....	.10@.15
Adiantum.....	.75@1.00
Smilax.....	12.00@15.00
Asparagus.....	50.00

PHILADELPHIA, July 16.	
Roses.....	1.00@4.00
" Beauties.....	15.00
Carnations.....	.25@1.00
Asparagus.....	35.00@50.00
Valley.....	3.00@4.00
Cattleyas.....	25.00@35.00
Sweet peas.....	.25
Smilax.....	15.00@25.00

CHICAGO, July 19.	
Roses, Beauties long.....	15.00
" short medium.....	6.00@8.00
" Large teas.....	2.00
" select.....	3.00
" good ordinary per 100.....	10.00
Carnations.....	.50@1.00
Auratum lilies.....	5.00
Coreopsis, ox-eye daisies.....	.15@.25
Gallardias.....	.35
Sweet peas.....	.10@.15
Smilax.....	8.00@10.00

GEORGE A. SUTHERLAND,
Successor to PECK & SUTHERLAND,
Successors to WM. J. STEWART.
Cut Flowers and Florists' Supplies
WHOLESALE.
67 Bromfield St., BOSTON, MASS.
New England Agent for the GREAT ANTIPEST.

WHOLESALE FLORISTS
JOBBERS IN FLORISTS' SUPPLIES, FLORISTS' VASES.
W. A. Sutherland
METS, BRIDES, GONTIERS, CARNATIONS, ALWAYS ON HAND.
84 Hawley Street, BOSTON, MASS.
HORTICULTURAL AUCTIONEERS.

WELCH BROS.,
Wholesale Florists,
NO. 2 BEACON STREET,
Near Tremont St., BOSTON, MASS.

The Boston Flower Market
is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of Sale. TERMS STRICTLY CASH.
Address **GEORGE CARTWRIGHT, Mgr.,**
Flower Market, Park St., BOSTON, MASS.
Long Distance Telephone "Haymarket 638."

PREPARE ADVS. NOW
FOR OUR **Convention Number**
TO BE ISSUED AUGUST 17.

John I. Raynor,
49 WEST 28th STREET,
NEW YORK.

SPECIALTIES FOR SUMMER SHIPPING:
AM. BEAUTY,
METEOR,
VICTORIA,
TESTOUT.
SWEET PEAS. EXTRA SPECIAL.

THOS. YOUNG Jr.
Cut Flowers,

WHOLESALE
43 W. 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE
FLORIST,
32 West 30th Street, NEW YORK.

Roses Shipped to all points. Price list on application

Edward C. Horan,
34 W. 29th Street, NEW YORK,
WHOLESALE • FLORIST.

Careful Shipping to all parts of the country.
Price list on application.

JAMES PURDY,
WHOLESALE DEALER IN
CUT • FLOWERS,
57 W. 30th St., NEW YORK.

JOHN YOUNG,
FINE ROSES
WHOLESALE,
51 West 28th St., NEW YORK.

THEO. ROEHRS,
WHOLESALE
FLORIST
111 WEST 30TH STREET,
Established 1879. NEW YORK CITY.

JULIUS LANG,
(Formerly with THEO. ROEHRS.)
Commission Dealer in Cut Flowers,
WHOLESALE,
53 West 30th St., NEW YORK CITY.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION,
S. E. BRIGGS, Pres.; T. W. WOOD, 1st. Vice-Pres.;
ALEX. ROGERS, 2nd. Vice-Pres.; A. L. DON, 1st. Chair-
men St., New York, Sec'y and Treas.

Victory for the Creditors.

FARMERS WHO TRUSTED PHIL STIMMEL
MAY BE PAID IN FULL.

Several hundred Nebraska farmers are in a very joyful frame of mind to-day, or at least they will be as soon as they learn from their attorneys the latest turn that the law suits concerning the Phil Stimmel failure have taken. A decision handed down by Judge Duffie decided that Frank T. Emerson was a partner of Stimmel's in his seed business and in consequence he has ordered two of Stimmel's creditors to give an accounting of the firm's assets which they seized by virtue of an execution one year ago.

When the Omaha National bank and Montgomery Charlton & Hall, with claims of \$28,000 and \$6,000 respectively secured confessions of judgment from Phil Stimmel they proceeded to order executions and sell the Stimmel property. This apparently cut off the hopes of some 200 farmers of getting any money as a return for their labors.

During the summer of 1893 these men had been raising seed for Stimmel under contract. The affair ran along until January, 1894, when Stimmel failed. Attachments and law suits began to pile up, many small farmers in and about Waterloo, Valley, Richland and in Grant and Perkins counties suddenly realizing that their expectations were blasted. In a short time the court ordered the sheriff to proceed with the sale of the Stimmel seeds and implement stock to satisfy the bank and Montgomery, Charlton & Hall, an unsuccessful effort having been made by injunction on the part of Emerson to arrest the sale on the ground that Phil Stimmel and Frank T. Emerson were partners in the seed business and that therefore judgments against Stimmel himself could not be satisfied out of the partnership stock. The sale was held and the entire stock bought \$11,000. Since then the case has been waiting its turn on the docket, and when reached to-day Judge Duffie held that there were two kinds of business carried on, both under the name of Phil Stimmel. In one case in particular it was a trade name used by Stimmel and Emerson in the seed business, and in the other the name represented the implement business carried on by Stimmel exclusively. The court has ordered a reference to a commissioner to compel an accounting of the stock sold by the sheriff.

Already some fifty creditor have appeared, demanding in a motion they filed, that the two attaching creditors which realized on the sale be compelled to return not simply the \$11,000, but the actual value of the stuff sold, the claim being that the property was sold at a forced sale and should have brought at least \$50,000. J. W. West claims enough will be realized by this process to pay off the farmers.—*Omaha Bee, July 8, 1895.*

MR. LEM BOWEN returned home Sunday, July 14, from an extended foreign trip.

WET WEATHER just at the harvest has damaged the Connecticut turnip seed crop over fifty per cent.

THE BROWN BAG-FILLING MACHINE

Puts up seed in packets, takes all sizes of bags, gauges all quantities of seed from an ounce to a grain, seals up the bag, and runs three thousand per hour. Illustrated Circular on application.

THE BROWN BAG-FILLING MACHINE CO., Fitchburg, Mass.

My first consignment of the

W. P.

MUSHROOM SPAWN

is due to arrive at the port of Phila. about the MIDDLE OF AUGUST. Most of the large growers have already engaged their early supply from this shipment, and those who have not already done so are advised to apply without delay, to prevent disappointment. The early crop has always brought best returns. Special prices on application.

Mushrooms of America, Palmer, \$3.00
Falconer's Mushroom Culture, 1.50
Robinson's Mushroom Culture, .50
Watson's Mushroom Culture, .10
By mail, postpaid, on receipt of price.

G. C. WATSON,

Wholesale Seedsman.

43 N. 10th St., PHILADELPHIA, PA.

Mignonette
... Seed.

Having a limited quantity this year to spare of

GEO. E. BENNETT'S
IMPROVED ELOISE FRANCIS,

I offer it to the trade at \$1.50 per hundred Seeds, to be delivered on and after July 15th, 1895. All fresh and good seed. Cash with all orders. No agents. Address

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**Gardiner's Celebrated
English
Mushroom Spawn.**
Fresh and Reliable.
\$7 per 100 lbs.
Special price on larger quantities.
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THE stockholders of the John H. Allen Seed Company, of Cape Vincent, N. Y., have increased the stock of that company from \$35,000 to \$50,000.

NEW YORK.—In town, Robert Farquhar, Boston; Wm. Meggatt, Wethersfield, Conn.; W. F. Dreer, Philadelphia; J. B. Kidd, San Francisco.

AT Mellette, So. Dak., the seed growing industry is reported to be increasing largely, farm seeds being produced in this section now quite extensively.

A CALIFORNIA vegetable grower suggests that young onions can be grown there from seed out of doors and the small plants sent east for growing on cheaper than the same can be produced in hot beds in the east and transplanted.



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ESPECIALLY LOW PRICES FOR EARLY ORDERS.

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NOVELTIES A SPECIALTY.

The Universal
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Takes contracts to grow all kinds of stuff to quantity.

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Seeds of New Cosmos, Chrysanthemum,
Ipomoea Heavenly Blue, Begonia and
Nasturtium. Send for trade list.



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GARDEN SEEDS,

Plants, Bulbs & Requisites.
They are the best at the
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Michel Plant and Bulb Co.,
WHOLESALE FLORISTS,

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Palm Seed, Araucaria Seed, Etc.

Just Received in Prime Order. Per 100
Senferthia Eleagnus.....\$.50
Ptychospermum Alexandria..... 1.00
Cunatoglami..... 1.00
Licuala Mullerli, a rare palm..... 3.00
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Not less than 50 seeds sold of any sort.

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Dealer in J. M. THORBURN & CO.'S
HIGH CLASS SEEDS AND BULBS.

Florists and Gardeners trade a Specialty.
25 years' experience. 7 sorts Cyclamen Seeds. The
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The most Complete Assortment of Stock
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Hyacinths, Tulips, Crocus, Narcissus
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"LYSOL" WILL DESTROY ALL
and every one of the many parasites of plants be they insects or fungi. Plant lice, scales, green and black fly (thrips), red spider, rose slug, mealy bugs, tomato and potato worms, all sorts of larvae and all other pests of a similar character will be thoroughly destroyed by "LYSOL" without injury to the infected plants.

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"LYSOL" will NEVER ACT HARMFUL
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Manufacture THE BEST LETTERS IN THE MARKET.
Sizes 1½-inch and 2-inch, \$2.00 per 100. Patent fastener with each letter.

With orders for 500 letters we give away a nicely stained and varnished box. See cut in next week's American Florist.

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Used now by the leading Florists.

75c. per quart; \$1.25 per ½ gallon; \$2.00 per gallon; \$9.00 for 5 gallons.

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DIANITE
Quickest and most effective cure for
MILDEW,
Rust, etc.; added to manure improves and cleanses it. 10 lbs. for 75c, 25 lbs. for \$1.50, bags of about 110 lbs. \$5.00—Net Cash.

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Cycas Leaves.
OUR NATURAL

Sago Palm Leaves are especially prepared for us with the most artistic skill. They look like fresh cut fronds and keep their appearance with the proper care for months. We sell according to size and quality at
40c, 45c, 50c, 60c,
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August Rölker & Sons,
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H. BAYERSDORFER & CO.,
WHOLESALE
FLORISTS' SUPPLIES ONLY,
58 N. 4th Street,
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Our new Catalogue is now out, free upon application.

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Florists' Supplies,
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John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.



REED & KELLER
MANUFACTURERS OF
FLORISTS' WIRE DESIGNS.
122 W. 25th St. New York

SMILAX.
2½-in. pots, strong thrifty plants, \$2.50 per hundred; \$20.00 per thousand.
F. A. BALLER, Bloomington, Ill.
Mention American Florist.

Toronto.

Not until Friday last did a shower come to refresh the parched earth; it was not a very big one, but was most thankfully received all the same. Parks and gardens are consequently looking much brighter since, but it will take much more rain to get things into proper trim. Flower beds ought to be at their best at this time of year, but alas! they are far behind and the summer is half gone.

A visit to the Horticultural Gardens on Sunday found them looking as gay as could be expected. A large circular carpet bed about 50 feet in diameter is a great attraction; the design is very pretty and altogether is a fine bed, though I regret to say that when standing close to it the effect was somewhat marred by weeds, this is a bad example for Horticultural Gardens to set, but I hear it is undergoing repairs to-day.

Thanks, brother Scott, I will endeavor to instill into the minds of as many Canucks as possible the advisability, I might say necessity, of attending the Pittsburg convention.

Another little "summer shower" is falling as I write this. E.

Worcester, Mass.

A fine wedding decoration occasioned a slight ripple on the calm, unruffled placidity of the sea of trade last week, but outside of this everything was quiet and dullness reigns supreme.

We were visited by a very severe storm on the 13th accompanied by rain and hailstones as large as hazel nuts. Much damage was done to fruit, flowers and vegetation generally; soft foliage was torn and rent badly, having much the appearance of being riddled with buck-shot. The water lilies suffered severely, the flowers and foliage were torn all to pieces, and large fields of fodder were laid flat. Florists having single glass suffered more or less loss, but not a pane of double thick succumbed.

A very fine display was made at the horticultural exhibition July 11, including zonal geraniums, gloxinias, Iris Kämpferi, Lilium candidum and cut flowers.

Judging from present indications this summer will be as wet as last season was dry. A. H. L.

SALEM, OHIO.—F. C. Morlan, former of Madison, Ind., will succeed L. Faueett, the carnation grower at this place.

ROSES

From 4-inch pots.

PERLE, CLIMBING PERLE, MERMET, BRIDE, GONTIER, WOOTTON, HOSTE, AND NIPHETOS.

\$10.00 per 100; \$90.00 per 1000.

EXTRA SPECIAL STOCK, grown by GEO. L. PARKER.

GEO. A. SUTHERLAND,

67 Bromfield Street, BOSTON, MASS.

Chrysanthemums.

Choice varieties for planting, \$2.50 and \$3.00 per hundred.

NATHAN SMITH & SON, Adrian, Mich.

BELLE SIEBRECHT

SPEAK QUICK IF YOU WANT ANY

THIS IS WHAT HE SAID!

(A large rose grower) the other day, when he saw the New Rose growing, "I am agreeably disappointed; I had no idea it was so grand a Rose."

COME AND SEE IT FOR YOURSELF. \$35 PER 100; \$250 PER 1000.

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Rose Hill Nurseries,

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NEW ROCHELLE, N. Y.

10,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last three years, and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

SOUVENIR DE WOOTTON, SAFRANO,

METEOR, MME. HOSTE, NIPHETOS,

KAISERIN A. V. BON SILENE,

3-inch pots, \$7.00 per 100. 4-inch pots, \$10.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

BEAUTIES, MERMETS, CUSINS, PERLES, BRIDESMAIDS, BRIDES, WOOTTON, WATTEUILLES AND Plants, 2, 3, 4-inch pots.

ROSES

BELLES, TESTOUTS, NIPHETOS, METEOR, HOSTE, LA FRANCE, AUGUSTA VICTORIA. Cash with order. SMILAX. Address for prices

VILLA LORRAINE ROSERIES, T. W. STEMMLER, MADISON, N. J.

ROSES, from 2½ and 3-inch pots, \$4.00 and \$6.00 per 100.

Sunset, Bridesmaid, Mermet, Wootton, Bride, The Queen, Souv. d'un Ami, Perle, Albany, White and Pink La France, Meteor, Niphotos, M. Niel, Mme. Hoste, Watteville, and Pierre Guillot.

JOSEPH HEINL, JACKSONVILLE, ILL.

JOHN N. MAY,

WHOLESALE GROWER OF

Roses & Chrysanthemums

All of which are now ready.

SUMMIT, NEW JERSEY.

Rose Plants.

These are Extra Large and Strong.

LA FRANCE, 3-inch.....\$7.00 per 100

ALBANY, 3-inch..... 7.00 per 100

Other kinds sold out for present.

BROWN & CANFIELD, Springfield, Ill.

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First-class well established plants, from 3-in. pots, free from all disease, at \$7.00 per 100.

Samples mailed on application.

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Surplus Roses.

Good, clean, healthy stock in 4-inch pots at \$6.00 per 100.

400 Brides, 125 La France, 50 Hoste, 400 Mermets, 400 Bridesmaids.

Would exchange for a few good Dracaenas in 6-inch or 7-inch pots.

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2½ inch. strong plants, \$1.50 per hundred.

GREVILLEA ROBUSTA:

2-inch, fine plants, \$4.00 per hundred.

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ROSE MME. GUSIN, PLANTS

in 2½ and 3½-inch at

SUNNYWOODS GREENHOUSES.

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Choice Rose Plants

A1 stock, 3 and 3½-inch

2500 METEORS.....\$3.50 per 100

1200 BRIDESMAIDS.. 3.50 per 100

Carefully packed for any distance.

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FOREST CLEN, ILL.

FORCING ROSES

OF ALL KINDS.

CARNATION PEACHBLOW.

For reasonable price.

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Roses

From 2½-inch pots.

Per 100 Per 1000

Bride, Mermet, White La France . \$3.00 \$25.00

Gontier, Watteville. 3.00 27.50

Maman Cochet, Bridesmaid. . . . 4.00 35.00

THE NATIONAL PLANT CO. DAYTON, O.

American Beauty,

Prime stock, 4-inch.

Also Bridesmaid, Bride, Meteor, La France, Testout, Kaiserin, Perle, Sunset.

A. S. Mac BEAN, Lakewood, New Jersey.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns

PANSIES. The Best from many growers, not the selection of one grower only.

INTERNATIONAL MIXTURE.

This mixture has been made up and sold by us for the past five years from the best strains known in Europe and America. We have in our files testimonials from leading florists in almost all the leading cities in the U. S. saying in effect "the best we ever had." Now if you would like to be convinced of this, drop us a line and we will send you the names of good men near you who will certify that VAUGHAN'S INTERNATIONAL MIXTURE has proven with them to be the best, most complete all round high class Pansy Mixture they have ever grown. Our four page price list of these and other seeds, mailed on request. The new crop seed is now arriving and can be sent at once, but after July 20th or August 1st our assortment of strictly NEW CROP SEED will be most complete. Trade pkt. 50c; 1/8 oz. \$1.50; 1 oz. \$10.00.

CINERARIA. Columbian, mixed, pkt. 1000 seeds, 50c.

CYCLAMEN. Giant varieties, 60 seeds, 50c.

PRIMULA. Vaughan's International, per pkt. 250 seeds, 50c; 1000 seeds, \$1.25; 1-16 oz. \$2.00.



GIANT MIXTURE.

For those who desire the largest flowers only, and are willing to accept a somewhat less variety in the way of coloring, our GIANT MIXTURE has been especially put up. It contains only the largest flowers and during the last two years we have greatly increased the number of sorts. See list below. Price for Giant Pansy Mixture, trade pkt. 50c; 1/8 oz. \$1.50; 1 oz. \$5.00.

	Trade pkt. Oz.
Giant Trimardeau, white, large white with a violet center.....	.25 \$5.00
Giant Beaconfield.....	.25 5.00
Giant Trimardeau Improved, this strain contains all the new colors of Trimardeau....	.25 3.00
Giant Cassier, a very choice variety of colors, each flower is marked with 3 or 5 blotches....	.25 5.00
Giant Bagnot, the flowers are of enormous size, perfectly round, of great substance and the most varied and attractive markings and colors. Our "Bagnot" contains shades of red, bronze and reddish brown that are not to be found in any other mixture.....	.25 6.00
Giant Auricula Colors, very beautiful shadings.....	.25 \$
Giant Violet Blue.....	.25
Giant Yellow, Fire Spotted, new.....	.25
Giant Hortensia Red, new, same shade as a Hydrangea.....	.50
Giant Emperor William.....	.25 5.00
Giant Trimardeau, mixed.....	.10 2.00
Giant Striped, flowers enormous size.....	.25
Giant Trimardeau, Yellow, very showy color, good seller.....	.25 5.00
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Giant Copper-Color, a most distinct combination of rich metallic shades.....	.25

Giant Paris Pansy Mixture.

The flowers of this strain are as large as the Trimardeau and far superior in color and in substance of petals; having a stout and stiff flower stem, the flowers last longer and the plants are more compact. Oz. \$5.00; 1/8 oz. \$1.40; 1/4 oz. \$2.50; trade pkt. 25c.

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CHICAGO PARKS. Oz. \$1.00; 1/4 oz. 30c; pkt. 10c. 4 oz. \$3.00.

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FIELD PLANTS AND ROOTED CUTTINGS IN SEASON.

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Fred. Dorner & Son,
LA FAYETTE, IND.

NEW CARNATIONS.

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Carnation Grower

ALPLAUS, N. Y.

CARNATIONS A SPECIALTY.

Field-grown plants, ready in September. Send for prices.

GEORGE HANCOCK & SON, Grand Haven, Mich.

Fisher & Aird, ELLIS, MASS.
NEW AND TESTED

CARNATIONS.

Roemer's Superb Prize Pansies.

The finest strain of Pansies in the World.

Introducer and Grower of all the leading Novelties.

Catalogue free on application.

FRED ROEMER, SEED GROWER,
Quedlinburg, Germany.

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ZINGIEBEL'S GIANT PANSIES

"Huge jewels of violet and gold."—Boston Transcript.

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at \$1.00.

And THE GIANT MARKET, 2000 seeds, for \$1.00 also.

PLANTS FOR SALE AFTER AUGUST 1ST.

DENYS ZIRNGIEBEL, Needham, Mass.

Herr's Pansies.

A Little Booklet (ready July 1st) tells you why they are the best investment you can make at \$5.00 per 1000.

BOOKLET CAN BE HAD FOR THE ASKING.

L. B. 496.

ALBERT M. HERR, Lancaster, Pa.

PREPARE ADVS. NOW

FOR OUR

CONVENTION

NUMBER.....

TO BE ISSUED

AUGUST 17.

PANSY SEED

THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt. 250 seeds, \$1.00.

The Jennings X X strain, \$8 per ounce; pkt. \$1.00.

Victoria, bright red..... pkt. 1.00.

Pure white..... pkt. 1.00.

Finest yellow..... pkt. 1.00.

Dr. Faust, black..... pkt. 1.00.

Dark Blue..... pkt. .50.

The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.

E. B. JENNINGS, Wholesale Pansy Grower,
Lock Box 254, SOUTHPORT, CONN.

EXTRA PANSY SEED.

MAMMOTH SUNBEAM STRAIN.

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00.

A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.

JOHN F. RUPP, Shiremanstown, Pa.



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PANSY SEEDS.

124 First Prizes, (the highest award).
4 Medals, World's Fair.

1000 Seeds, finest mixed 25c

Price List on application. Cash with order.



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PANSY SEED

Superb World's Fair

Prize Varieties. A

Grand Mixture of un-

limited sorts. Trade packets.

25c each. Send for List.

H. W. BUCKBEE,

Rockford Seed Farms Rockford, Ill.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Milwaukee, Wis.

Trade has taken a decided drop the past week, more noticeably so than in former years at this time, but stock still continues to come in abundantly and some of very fair quality. What demand there is chiefly for funeral purposes.

All growers in this vicinity report having had a good spring trade, hence there is considerable activity in building this summer. N. Zweifel is erecting a large new house for carnations, Geo. Volk is rebuilding his houses, making them more suitable for the growing of palms and decorative plants, H. Staeps of Elm Grove has added 3 more houses. Edlefsen & Scott have remodelled their store and will construct a show house in the rear for display of plants, etc., making it a model florist's establishment, and the finest in the city.

The Paris Floral Co. has changed hands, Allen & Holton having bought out F. Foster, who has leased the Armstrong Greenhouses and will now devote his time to the growing of plants, etc., for the retail trade.

Ben Gregory of this city and Wm. Gregory of Ludington, Mich., have left for England to visit their mother.

The preliminary premium list has been issued for the fifth annual chrysanthemum show, under the auspices of the Milwaukee Florist's Club, to be held in November next.

J. Austin Shaw of Brooklyn, N. Y., was a recent visitor.

Hathoro, Pa.

Harry M. Weiss has now got his new place at Hathoro, Pa., in running order. He has six houses each 10x175 and one 22x175, heated by steam and fitted with modern sash lifters, etc. Roses and carnations are the principal crops. The large house is already planted with Brides and Bridesmaids (equal parts of each) and two of the smaller houses one with Meteor and the other with Kaiserin. The other four houses will be devoted to carnations. Outside at present there is a fine show of double white petunias and a large collection of asters. The field carnations are looking strong and healthy and promise a fine lot of plants. Mr. Weiss is much better located now than formerly, and with better facilities in every way than at his old place in Germantown. He has in contemplation the building this summer of an additional range of glass which will be devoted mainly to be raising of violets.

G. C. W.

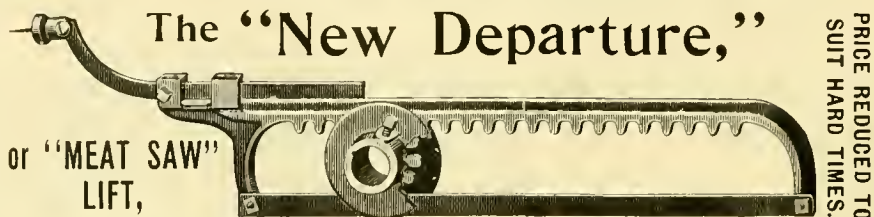
FAIRVILLE, PA.—Pennock Sharpless of West Chester is about to erect houses here for carnations and tomatoes.



10427. 75 cts.

New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advices, floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).
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FLORISTS.

SEE HERE MR., WHAT'S YOUR NAME, DON'T YOU NEED VENTILATING APPARATUS?



Will do the work quick, better, and COST LESS than any other appliance ever invented.

Address **J. D. CARMODY, Evansville, Ind.**

If you grow

Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

Albert's Horticultural Manure,

you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2½, and 5 pound tins for retail purposes. Write for trade prices and pamphlet.

ROBT. L. MERWIN & CO.,
General agents, United States, 88 Wall St., New York

THE KINNEY PUMP.



THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

HOSE CONNECTION CO., Kingston, Rhode Island.

Only 29 Kingstons in the U. S. Get the state straight.

"They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill.

"The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

J. N. STRUCK & BRO.

Manufacturers of

• CYPRESS •
Greenhouse Material,

LOUISVILLE, KY.

TOBACCO DUST. Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

Vaughan's Seed Store, Box 688, Chicago.
Mention American Florist.

Galvanized Steel PLANT STAKES.

Used now by nearly all the largest Florists for Roses, Carnations and Chrysanthemums. They are neat and durable. We are Headquarters and offer them now at a special low price in the following sizes:

	Per 100	Per 1000
2 Feet	\$.50	\$4.50
2½ " .....	.60	5.50
3 " .....	.70	6.50
3½ " .....	.80	7.50
4 " .....	.90	8.25
4½ "	1.00	9.00
5 "	1.10	9.75

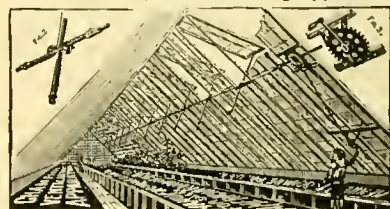
Order now as prices are likely to advance.

Special Prices on Plant Stakes

Will be quoted in lots of 2000 and upwards.

HENRY F. MIGHELL,
SEEDS, BULBS AND IMPLEMENTS,
1018 Market St., Philadelphia, Pa.
Always mention American Florist.

HAVE YOU HEARD of the Champion Ventilating Apparatus?



THIS IS IT.

Efficient, Easily Operated, Economical. YOUR INTERESTS DEMAND AN INVESTIGATION. Our circular is free for the asking.

AMERICAN ROAD MACHINE CO.,
Kennett Square, Pa.
Mention American Florist.

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CHANDLEE & CHANDLEE,
Patents and Patent Causes.
ELECTRICAL and MECHANICAL EXPERTS.
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YORK, PA. WASHINGTON, D. C.

.....THE ANNUAL
CONVENTION NUMBER

— OF —

The
American
A
WEEKLY
JOURNAL
Florist
FOR THE TRADE

Will be issued **AUGUST 17, 1895.**

In addition to other specially attractive features it will contain an accurate *CHART OF COLORS*, comprising 30 of the most important shades, prepared for the FLORIST by F. Schuyler Mathews. The color chart will be a permanent part of the paper as readers will be advised of the necessity of keeping it in the paper away from the light except when in use.

The expense of this chart has been very heavy, but it will lend to the issue, of which it will be a part, a very greatly increased value as an advertising medium, as it will be frequently referred to. Still there will be

NO INCREASE IN ADV. RATES,

which will be as heretofore :

FULL PAGE.....	\$42.00.
HALF PAGE.....	21.00.
QUARTER PAGE.....	10.50.
PER INCH.....	1.40.

Subject to time discount to those having term contracts with us.

Send advs. **early** so we may have abundant time to get them up in our best style.

The Convention Number will reach every Trade Buyer in the United States and Canada, and extra copies will be distributed at the Convention.

AMERICAN FLORIST COMPANY,

P. O. Drawer 164.

 **CHICAGO.**

Denver, Colo.

The National Educational Association has been in session during the past week in our city. The town has been crowded with nearly fifteen thousand of these guests, ranking from the college president to the country school marm. Before these learned people we florists hang out our signs, make our windows attractive, and use every other means available to call their attention to the flower production of the Great American Desert, but our efforts seem to fail, and we are left to think that this company of people did not gather here to spend money. The townspeople have, however, made good efforts to entertain their guests, and the florists have received a number of decoration orders. The most attractive of these decorations was the one placed in the gentlemen's reception rooms of the Brown Palace Hotel, which were the headquarters of the reception committee. The decorations were in the hands of a N. E. A. committee, and efforts were made by them to use the Colorado wild flowers and foliage as much as possible. The Colorado blue spruce formed the background and hung in festooning around the sides and from the ceilings of the rooms. On the mantels and tables were placed graceful bunches of columbine (the state flower) and other flowers peculiar to our Rocky Mountains.

The weather has been cold and rainy all the past week, and I am afraid our visiting friends will not feel inclined to believe all that has been told them of the beautiful Italian climate of our state. Growers are nearly finished with their planting, and all efforts are being made to place a good stock of cut flowers on the market next fall and winter.

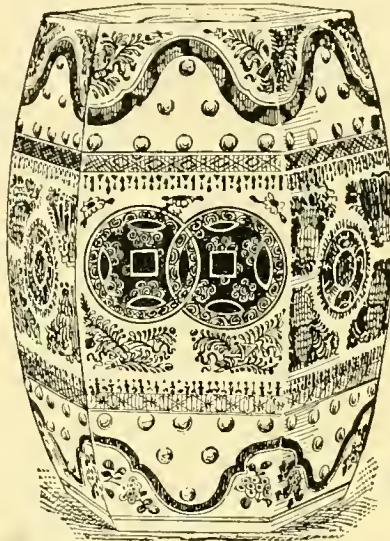
C. R. Gallup will soon begin work on two new houses with a store corner on Fifteenth street and Cleveland place.

Though the stock is now limited, the wholesale shipping trade still keeps up. Several of the boys are thinking seriously of making Pittsburg a visit in August. A number of our florists are in hopes that the society will decide to make our city a visit and hold the convention here, as we feel that it would benefit us and our trade greatly. Besides we are anxious to show the eastern florists what we have done in this city of the plains, and can give you an opportunity of spending a pleasant summer in some of the mountain resorts.

P. C. G.



CANTON CHINA PLANT-POT.



CANTON CHINA HALL-SEAT OR PLANT-POT STAND

Plant Pots AND Pedestals.

We invite the attention of intending buyers or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese plant pots or jardinières, selected by our buyers at the places of production the present season.

They include all sizes and shapes up to the large and very large; from the lowest price up to \$150 each.

Some very costly old blue Canton China.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

Jones, McDuffee & Stratton,
CHINA AND GLASS MERCHANTS,

120 Franklin Street, BOSTON, MASS.



Pat. Plant Tubs.

NEW IMPROVED

ORCHID CRIBS.

A full line of

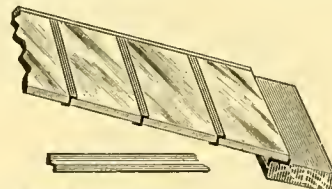
Florists Baskets AND SPECIALTIES.

Write for Illustrated Catalogues.



HOME RATTAN CO., 483 Wells St., Chicago.

IMPROVED GLAZING.



GASSER'S PATENT ZINC JOINTS for putting glass makes greenhouses air and water tight, also prevents sliding and breakage from frost. Does not cost as much to heat a house glazed with the joints, thereby saving enough in fuel to more than pay the additional cost of glazing. The leading florists of the country are using them. Write for circulars with full particulars and price list.

J. M. GASSER, FLORIST,
Euclid Avenue, CLEVELAND, O.

GLASS, ROCK BOTTOM PRICES. Send for Estimate. Satisfaction guaranteed.

REED GLASS CO.,

102 South 5th Avenue, NEW YORK CITY.

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IMPROVED

PUTTY BULB,

For Glazing Sash, Etc.

— ALSO THE —

Patent Plant Sprinkler

For sale by your Seedsman, or sent, postpaid, for \$1.00.

JOHN A. SCOLLAY,

74 & 76 Myrtle Ave.,
BROOKLYN, N. Y.

Send Stamp for Catalogue.



D. H. ROBERTS,
132 & 134 South Fifth Ave., NEW YORK.

NATURAL GAS MADE GLASS,
for Rose Houses, Conservatories, Etc., Etc.

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For Your
GREEN HOUSE,
ROSE HOUSE,
NURSERY,

Conservatory, Lawn,
House, Garden, Stock
or any other purpose.

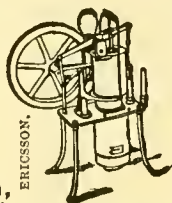
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DE LAMATER-ERICSSON

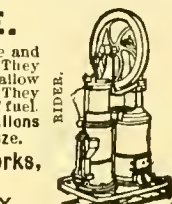
PUMPING ENGINE.

Their operation is so simple and safe that a child can run them. They will pump water from shallow streams or any kind of well. They can be arranged for any kind of fuel. Capacity 1,500 to 30,000 gallons of water a day, according to size.

The De Lamater Iron Works,
467 West Broadway,
NEW YORK, N. Y.



HOT-AIR PUMPING ENGINE.

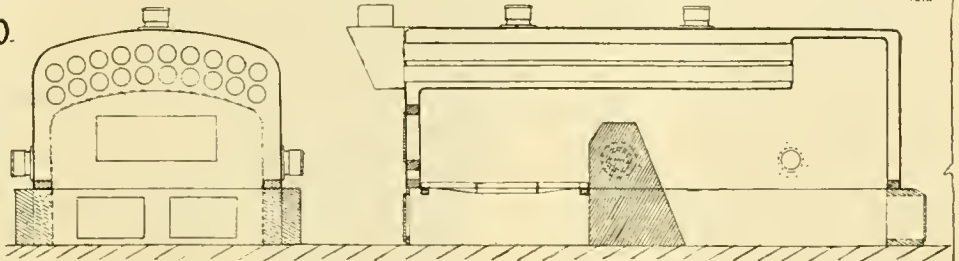


KROESCHELL BROS. CO.

IMPROVED

Green House Boiler,

41 to 55 ERIE STREET.



SPECIAL OFFER :--

Chicago, July 15, 1895. 189

On all orders booked PRIOR TO AUG. 15th our present LOW PRICES will be made. After that date, we will be obliged to advance prices in conformity with the present price of material.

Having purchased large quantities of material, BEFORE THE ADVANCE we have decided to give our Patrons the benefit of such purchases, in the manner stated above,

SEND IN YOUR ORDERS AT ONCE, and secure the BEST GREEN HOUSE BOILER IN THE MARKET, at a LOW FIGURE.

KROESCHELL BROS. CO.

CHICAGO, ILL., March 12, 1891

KROESCHELL BROS. CO.

No. 41 to 55 E. Erie Street, City.

DEAR SIRS:—In regard to your Improved Green House Boiler I feel proud to state to you, or any person in our trade, the full particulars of same, for I have them in use over seven years and never had any trouble to heat up seven houses with 4,500 feet of 4 inch water pipe, also the new boiler I put in my new place last year gives best satisfaction, and I invite everybody interested in that line to call and investigate.

I heat my entire place—which is four houses, 28x125, one 10x25, three houses 16x100—with the new boiler except in severe cold weather we fire the old one to help along. I have now 8,000 feet of pipe to heat and will build two more houses to it this spring, which will be easily heated by the two boilers.

I also state that this is the eighth winter I am fitting the old boiler and never had any repairing done.

Consider Kroeschell Bros. Improved Green House Boiler as one of the best hot water heaters in existence.

Very truly yours,
ANTON THEN,
No. 839 LaFayette St., Chicago, Ill.

KROESCHELL BROS. CO.

DES PLAINES, ILL., March 23, 1891

DEAR SIRS:—In regard to your Improved Green House Boiler I desire to state that I prefer the Saddle Boiler (Kroeschell Bros. Boiler) if I wanted another boiler I would have no other. I think they are the best hot water boilers I have ever seen.

F. L. PRUSSE,
Des-Plaines, Ill.

Note—Since receipt of this letter we furnished Mr. Prusse with another of our Improved Green House Boilers, No. 12. Special.

This is one leaf out of our catalogue

News Notes.

BURRILLVILLE, R.I.—Reuben A. Buxton, a well known florist, died on June 22, aged 56.

OLD ORCHARD BEACH, ME.—Visitors from Boston, Thos. A. Cox and Jas. Rough, Jr.

PORTLAND, ME.—Recent visitors, Mr. and Mrs. M. H. Norton, Boston, D. B. Long, Buffalo.

RANDOLPH, MASS.—E. Arnold filed schedules in insolvency court on July 8. Liabilities over \$5,000.

SPRINGFIELD, MASS.—The sweet pea show, advertised for July 23, has been postponed one week, and will be held July 30.

NORTHAMPTON, MASS.—The greenhouses of Mr. Dietz, and of the late C. H. Brewster have been purchased by Alexander Parks.

PEABODY, MASS.—Peabody has appropriated \$10,000 for a public park at Franklin Hill, and has accepted the bequest of Miss Augusta Proctor for a similar amount.

MYSTIC, CONN.—Jas. W. Pollard, whose place was formerly at Old Mystic, is taking down his houses and moving them to this place, where he has bought 15 acres of ground. Mr. Pollard says his trade has increased so much during the past two years that increased facilities were necessary.

PITTSFIELD, MASS.—R. G. Hanford has sold his South street florist business to F. L. Olmsted & Son, the latter taking possession Wednesday. The business has been under the management of Vincent Olmsted since coming here and he will still be in control. The new firm is negotiating for the purchase or rental of the greenhouses of Mrs. Edward Learned.

SALINA, KANS.—This city has suffered severely from a terrible flood. The Smoky river which runs through the city rose so as to cover the entire east portion of the city and some 5,000 people are homeless. The waters are now subsiding. Florist John Buchi lost heavily. All his stock was ruined and his grounds are covered by three inches of slime. His loss is specially heavy as he had on the ground material for rebuilding and enlarging which is practically a total loss. This misfortune taken in connection with the dull trade the past year has made it pretty hard sledding.

PROTECTION FOR HOSE AT LAST.



For sale by all Seedsmen. No florist can do without it. Cheap, practicable and indestructible. 35 cts. each, or \$3.50 per dozen. MANUFACTURED BY CHAS. SCHUCK, 2457 North 8th St., PHILA., PA. Mention American Florist.

CATALOGUE PRINTING. ELECTROTYPING.

Done with expert ability for Florists, Nurserymen, Seedsmen. Write to

J. Horace McFarland Co. . . . HARRISBURG, PA



Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

LOCKLAND LUMBER CO. LOCKLAND, O.

THE ORIGINATORS OF THE STANDARD FLOWER POTS.

Our capacity now is 12,000,000

STANDARD FLOWER POTS PER YEAR.

A Full line of Bulb Pans.

Send for Price List. The Whilldin Pottery Company, 713 to 719 Wharton Street, PHILADELPHIA, PA. BRANCH WAREHOUSES: Randolph Ave. and Union St., Jersey City, N. J. Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipfle Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all. Send for price list and samples and we know you will give us an order.

SYRACUSE POTTERY CO. OFFICE: 403 North Salina Street, SYRACUSE, N. Y.

STANDARD FLOWER POTS. FERN PANS AND PALM POTS.

Old Reliable make of ELVERSON, SHERWOOD & BARKER.

Write for Price List. Address PITTSBURGH CLAY MFG. CO., New Brighton, Pa.



Standard Flower Pots.

OUR POTS ARE OF THE BEST QUALITY. We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

Write us before placing your orders elsewhere. CAMBRIDGE TILE MFG. CO., Covington, Ky.

Prepare Advs. NOW FOR OUR

Convention Number

TO BE ISSUED AUGUST 17.

FLOWER POTS.

We Manufacture all kinds of Flower Pots, etc. Making a Specialty of

Florist Standard Pots

Send for price list and samples (which will be sent free), and we know you will give us your order.

J. G. SWANN'S SONS, Minneapolis, Minn. P. O. Box 78. Mention American Florist.

CYPRESS
GREENHOUSE MATERIAL OF ANY DESCRIPTION

JOHN C. MONINGER Co.
297 to 307 HAWTHORNE AV. CHICAGO, ILL.

WRITE FOR CATALOGUE

Greenhouse Pipe and Fittings.



Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.

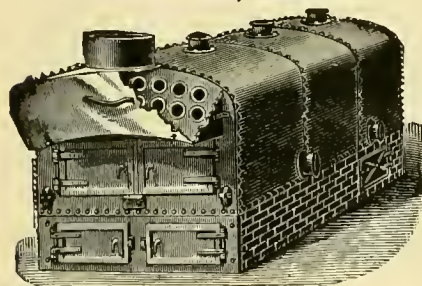
Pipe can be easily put together by any one, very little instruction being needed.

GET THE BEST.

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost. Mention American Florist.

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WRITE FOR ILLUSTRATED CIRCULAR.

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IMPROVED
Greenhouse Boiler,
41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

H. M. HOOKER COMPANY,

57 and 59 W. Randolph Street, CHICAGO.

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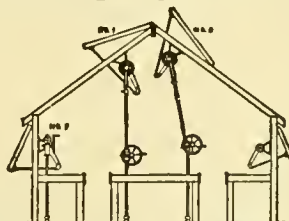
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The only Certificate of Merit awarded for ventilating apparatus at the St. Louis Convention was to the

POPULAR STANDARD VENTILATING MACHINE

The florist's friend in working and prices.



No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniform on 100 foot houses. A new device.

Send for Catalogue and estimates.

E. HIPPARD, Youngstown, Ohio.

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Horticultural Architects and Hot Water Engineers

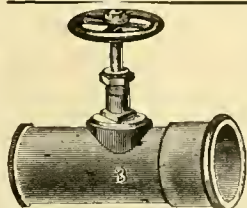
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California Red Cedar NEVER DECAYS.

A. DIETSCH & CO., 619 Sheffield Avenue,

Mfr's of Red Cedar and Cypress Greenhouse Material, CHICAGO.



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COLDWELL-WILCOX CO.,
Newburgh, N. Y.



EVANS' IMPROVED Challenge Ventilating Apparatus

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QUAKER CITY MACHINE WORKS,
Richmond, Ind.

MAIL LOCK THE DOOR BEFORE THE HORSE IS STOLEN DO IT NOW.
JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J.

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WILKS HOT WATER HEATER.
BEST IN USE FOR GREENHOUSES, LARGE and SMALL.
All Steel. No Coils or Cast Iron Sections.
SEND FOR CATALOGUES.
123 S. CLINTON STREET, CHICAGO, ILL.

WILKS MFG. CO.,

THE EMERSON PATENT BINDER.
Price postpaid 75 CENTS.
Address American Florist Co. CHICAGO.

Showing the appearance of the Binder when quite full of THE American Florist. Every subscriber should have one.

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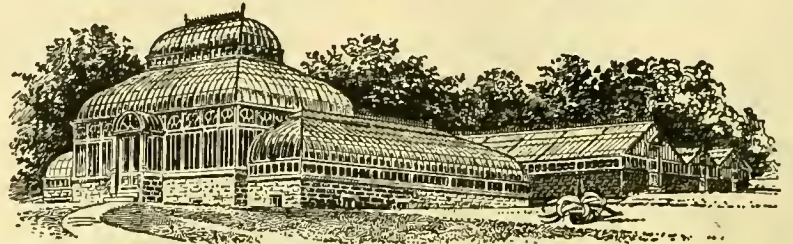
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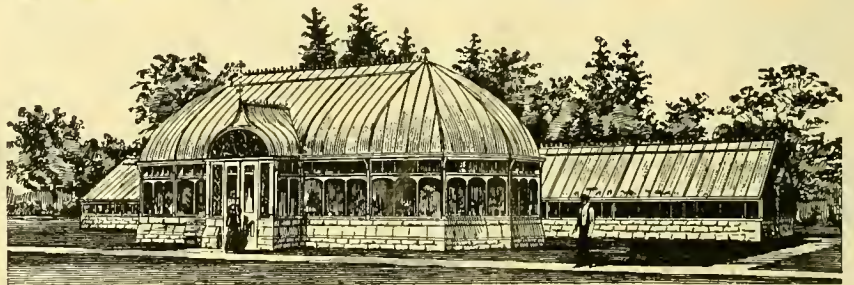
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Plans and estimates furnished on application.



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WHERE THIS NOZZLE IS USED.



CHILD'S RAIN MAKER

Throws a powerful spray at such an angle that spraying the under-side of the foliage is no effort at all. It is simplicity itself but "gets there" every time. It is well made of polished brass and will last a lifetime.

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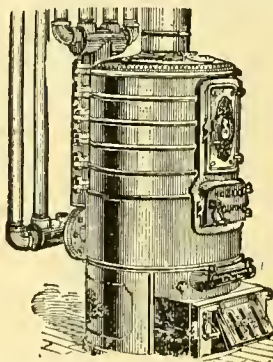
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Vol. X.

CHICAGO AND NEW YORK, JULY 27, 1895.

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OF THE

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WILL BE HELD AT

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Rose Notes.

Planting these, where it has to be done, should now be finished up as soon as possible; the main feature in preparing to do so is a good fresh loam with a fair proportion of manure according to the quality of the soil. If to be planted on benches be sure there is ample drainage provided. Before putting in the new soil, where the benches have been used before, they should be thoroughly cleaned out and the inside surface given a good coat of hot lime wash, or what is usually termed white-washed. This helps to destroy any insects in the cracks, etc. As soon as this is done cover the cracks with some light material, loose sod is the best; if that is not easily procured a very thin layer of excelsior, just enough to keep the soil from falling through, will answer the purpose very well; then fill the benches with the compost to whatever depth may be found most suitable. We never use more than four inches of soil, but others may prefer more; rake it level, then as soon as the house is filled it is ready for the plants. Having decided upon the varieties and the distance apart they are to be planted select the largest plants for the back rows. Turn them out of the pots; if they are at all pot-bound the roots at the bottom of the ball should be carefully loosened out before placing them in position. They should not be placed deeper in the soil than they had been in the pots. Press the soil very firmly around each plant and as soon as all are planted give the whole a good watering, so that the roots can feel the effects of it, and they will immediately begin making new feeding fibres.

The main thing to consider after this is done is judicious treatment. They should never be allowed to suffer for want of water, neither should they be saturated at any time. During very hot days they should be syringed overhead two or three times each day, and given all the air possible from top, sides, ends and every available place, leaving some on ridge ventilators all night. This treatment will produce close jointed solid wood and build up a strong constitution in the plant, which enables it to go through the winter's forcing campaign in better condition than a soft tender plant can possibly do. By this I mean a plant that is grown on by keeping it in a soft, weak condition without sufficient root action to maintain the same. This is caused by

a close atmosphere and injudicious watering. This subject—water—is, I am afraid, but little understood yet by many of us. There are so many conditions to consider in conjunction with proper time to water, how much to give, and the condition of the soil, that a few remarks may be admissible here:

There is a great difference of opinion on this very subject, hardly any two growers treat their plants alike, and the only way to find out what amount of water, when and how to apply it to best suit your own conditions of soil, etc., is to start a series of experiments. Take, for instance, a house of roses, or, better still, a few dozen in pots, if the latter pot them all into even-sized pots, giving them sufficient drainage and good fresh soil to grow in. Divide them up into say four lots, mark each lot. In one allow the soil to become quite dry before giving more water and then give sufficient to moisten the whole. For No. 2 allow the soil to get somewhat dry, but not to become hard as in No. 1, then give a light watering, such as many consider sufficient. In No. 3 allow the soil to get into the same condition as for No. 2, then give it a good watering, so that it runs out at the bottom of the pot. Allow No. 4 to become quite dry and solid before giving more water, then give a thorough soaking. Follow this treatment up steadily for at least three months with all, giving each batch the same treatment with regard to water all through, but in all other respects treat them all alike. At the end of that time you will be able to judge for yourself which mode of watering suits your conditions, etc., best, and, furthermore, you probably will be able to form a better idea of watering, how and when to give it to obtain the best practical results. But do not fall into the error of treating all plants alike—roses, carnations and chrysanthemums all require a different condition for watering, to say nothing about all the other classes of plants necessary for the general florist business. Actual experience and close observation are the best means of acquiring the information necessary to know when to water.

JOHN N. MAY.

Ventilating and Watering.

ED. AMERICAN FLORIST.—I am just starting in the rose business without having any previous experience. I have a house 60x20 feet, running east and west, with two doors in the east end, and one in the west. The house has a two-thirds slope to the south, with nine ventilating sash hinged to ridge, and three to ridge on the north side. We have very damp winds here, especially from the east and northeast which is very bad for mildewing plants. I have been for the past month in the habit of shutting all ventilators and east doors, only letting the

west door open at night. Now do you consider this right, and do you think north wind in daytime, on clear days, is injurious to roses, as they are young plants only starting in to make new wood?

How about watering also? Is it not better to leave plants rather dry than wet, and water in the morning after the sun is out bright, as this gives them a chance to dry off thoroughly before sundown? I noticed a few American Beauties looking badly and took one out to examine the roots, and found there were none left. I had thought, from the color of the leaves, that it was mildew, but think they are rotted off from being too wet after sundown, as I have been watering about 4 o'clock p. m. R. McL.

Replying to your correspondent R. McL., who wants to know how best to ventilate his rose house during warm weather, he should leave his ventilators on the south side of the ridge open proportionately to the condition of the atmosphere—in very warm weather leave them half open all night—but close all the doors tight. In moderate weather less air, and on very cool nights only about an inch on each sash. The best preventive of mildew during spring and summer is an abundance of air at all times, but it must be applied with judgment. As soon as the sun begins to affect the temperature in the greenhouse in the morning the air must be gradually increased, and as it continues to rise so must the amount of air increase, and the same rule applies the reverse way in reducing it in the afternoon. During very warm days it is really beneficial to open all the doors and other ventilators possible; this keeps the plants in a sturdy vigorous condition. Always do the principal watering in the morning, then, when extra hot, if some of the plants show indications of needing more water, say by 1 or 2 o'clock, give them a syringing overhead; this will all dry off in a short time and leave the house in a fairly dry, healthy condition for the night. If you want to produce mildew on a house of roses there is no better way than to keep a close atmosphere during the night and allow the temperature to rise ten or more degrees in the morning before putting on air, then put on a lot at once, and in a few days you can have the foliage white from end to end, for the simple reason that the growth is very soft when produced under such conditions. Hence, if we want to avoid it (and who does not?) we must treat our plants more consistently. In very hot weather plants, like ourselves, want plenty of drink, but in cloudy and cooler weather only a moderate amount is required, and the same law is applicable with some modifications the entire year. There is no set rule applicable to all cases for the general treatment, but the same principles are always essential to the best success in plant life.

When in active life they require sufficient moisture at the roots to maintain healthy active circulation between roots and leaves with plenty of air, and enough moisture about the foliage to keep them clean; there is then very little to fear from mildew or kindred diseases.

JOHN N. MAY.

Papa Gontier on Solid Beds Versus Benches.

Replying to your correspondent "H" he should plant this variety on a bench with about four inches of soil, giving plenty of room for drainage between the

slats. Press the soil good and firm, water liberally when the plants require it, and as soon as they get well established give them a thin mulching of old manure broken up very fine. Give all the air possible in favorable weather at this season of the year, day and night—then as soon as the weather gets cooler close at night and from that on through the season. Keep the night temperature at 53° or 54°, not over, with plenty of air on mild days; I think he will have no cause to complain of Papa Gontier not doing well on benches.

This method has been followed by most of the growers in this section of the country ever since its introduction, with much success, as those who saw the flowers can vouch for. That they can be grown on solid beds also I admit, and possibly a few extra fine buds can be gotten by this mode of culture, but not the quantity that can be cut from an equal space with bench culture. The quality of the flowers from bench culture will be fully equal to the others if the temperature is not run too high. In my experience all varieties having any Bourbon blood in their constitution will not stand a high temperature for continuous forcing, and, as a general rule, they will take more water than the Tea roses proper, though some discretion must be used in this, as this family are all inclined to drop their leaves after producing a heavy crop of flowers. At this stage they do not require quite so much water for a few days till new growth starts freely, then liberal treatment will be in order again.

JOHN N. MAY.



Carnation Notes.

Several have asked me lately how soon I will house my plants. If the weather continues as wet as we have had it for the past month, and that is very wet, I will not take the plants in until the 10th or 15th of September, the reason of this that I wish the cool nights of the latter part of August and September to harden the plants so that they will not suffer so much from the replanting. Should August be very dry then I will take my plants up about the 20th, for if a wet season follows a dry August the plants make a very quick soft growth, and I find the plants do not stand moving as well as if taken in as stated. I made this statement last year, and was criticised quite severely, but from every one who followed my example I have received word that they will hereafter do as I have done for several seasons.

I have seen growers planting when the soil on the benches was dry as powder, and others had thoroughly soaked the soil, both very bad, the dry soil is hard to wet through and the very wet bakes around the plants, and the roots can not break through. A happy medium is what you want. As fast as the plants are set water them so that every particle of soil is wet. I never take in any soil around the roots, but shake it off carefully, retaining as many of the roots as possible. This seems harsh treatment to some, but I have had results which justify me in continuing this practice.

CHARLES H. ALLEN.

Herbaceous Plant Notes.

Phlox decussata or *paniculata*:—To name a genus of herbaceous plants more elegant or possessed of so much excellence as is to be found in a collection of these phloxes, would perhaps be a rather difficult task. The improvements of late years, both in the size and form of the florets and in colors, have raised this popular class to a level with our most ornamental hardy plants, and the varieties are now so numerous that several acres could be planted with them if anyone should undertake to gather all the known named sorts. The *decussata* section of phloxes is called late flowering, and bears great, broad pyramidal panicles on stiff, almost woody stems. It flowers in July and August, but we may prolong their season by simply cutting down the plants to the ground in the latter part of May or beginning of June, when they will start up again a second time and bloom later than those which were left to grow undisturbed. To obtain the best results from a collection of phloxes we must divide and replant them every second or third year, for the old stools would develop so many eyes and send up such a mass of stems that none of them would be able to bring forth or develop a fair sized and perfect shaped panicle, the roots getting matted and completely exhausting the surrounding soil unless very frequent and liberal doses of liquid manure and heavy mulchings are administered. They are gross feeders and require a rich soil, but will amply repay the little extra care bestowed upon them by larger and perfectly shaped panicles of beautiful colored flowers at a time when many of the earlier flowering perennials are fading away or have ended their blooming season. The height of them differs considerable in the varieties; some only grow 18 inches high and others 3 feet. I may some time in the future give a list of the most desirable and distinctly colored named varieties with color description.

Helianthus rigidus begins to expand its handsome flower heads the latter part of July, and continues to bloom well into October. It is a single variety with a very small dark colored disk and broad ray florets of a shiny glistening deep yellow color, very useful for cutting and extremely free flowering. It succeeds well in any part of the shrubbery or in the back row of the herbaceous border. This is perhaps the most showy of all *helianthus*s, grows 3 feet high and the flowers are 3½ to 4 inches across. *Helianthus Buttaris* with numerous small sized dark yellow flowers, also very useful for cutting, blooms from latter part of July to October, is of stout erect habit with elongated sharp pointed leaves, grows about 4 feet high, and like all the family requires abundance of room in the border. *Helianthus latiflorus semiplenus* is a very broad leaved sort, and has rich deep golden yellow flowers of good size and excellent keeping qualities on the plant as well as after being cut, beginning to bloom end of July and lasting continuously well into October. A splendid variety for a late show, growing 6 to 7 feet high, and should be planted in every collection large or small. *Helianthus multiflorus Soleil d'Or*, a French introduction, raised from the type, is rather late in flowering this year, but generally blooms as soon as *H. multiflorus* and continues the same length of time. It is a decided improvement, the florets or rays are three times as broad as in the type, and the flowers resemble a well formed double yellow dahlia more than anything else.



ILLUSTRATION NO. 1.
WINDOW DECORATION

Aster Amellus Bessarabicus: No other aster is more desirable in my opinion, the flowers are produced in enormous quantities on stiff erect and branchy stems, and are larger than those of *A. Amellus*. They are of a deep violet purple and have an orange yellow disk or center, a very pleasing contrast. The plant also has narrower and finer oblong lanceolate foliage and grows taller than the type, 1½ to 2 feet being their extreme height. From the end of July to September the whole plant is covered densely with the large showy flowers, and surely deserves a prominent place in the herbaceous border, also an excellent thing for cutting purposes.

Chelone Lyoni has very showy rosy pink flowers slightly tinged with purple, in terminal, clustered elongated spikes, very floriferous and lasting from July to September. This plant, although a native of the southern states, is rarely seen here in collections. Having such a stately and floriferous character, extremely hardy, of a pleasing and rare tint in color, no other herbaceous plant resembling it even among the chelones, I cannot imagine why it should be neglected. It is by no means a new plant, although some catalogues have it classed among the new and rare things, for I knew and admired the flowers of this plant forty years ago, and then it was not considered a novelty. The pentstemon-like flowers with the tortoise head shaped upper part of the lip, together with the fine color, attracts the attention of everybody, and in addition thereto we can use it largely for cutting. No difficulty will be experienced in growing this handsome perennial; anybody can grow it in ordinary garden soil without special care whatever except keeping clean around them, and no winter protection is required. Strong roots after being well established will attain a height of 3 to 4 feet and almost as much in breadth, flowering freely year after year. A plant that can safely be recommended to every one and in every locality.

Saponaria caucasica fl. pl. has pink and rose colored double flowers in great profusion from July to September, blooming later than the other saponarias. A bushy compact habit, floriferousness and

desirable color constitute some of the good qualities of this most useful border plant; height 1½ to 2 feet.

Helenium autumnale is now beginning to open the first flowers, and will last well until the end of September, in some sections even later if the flower stems are not cut off. The color is a very pure yellow, and the ray florets are toothed or divided at the apex, four or five points to each, and the plant is very floriferous, blooming in loosely clustered heads. One of the finest herbaceous plants for all purposes; height 3 to 4 feet.

Rochester, N. Y. J. B. KELLER.

Window Decorations.

A neat and attractive window display should be the chief aim of a well-conducted floral establishment. It is justly considered the best paying advertisement; its results are far reaching and lasting. This is a fact well recognized by most men engaged in the retail business. We take it for granted that a fine display is most desirable, but the cost of making and maintaining such a display is an item very seriously to be considered, and it is in this respect that good judgement will have to be exercised. It doesn't follow that an attractively set-up show window is necessarily an expensive one. Simplicity combined with good taste often give the best results. We also very often have to take into consideration our location and surroundings.

If a florist occupies his premises by himself alone, he can regulate the temperature, in winter at least, to suit as nearly as possible the requirements of his stock. But as is often the case, when but part of the store is used by the florist, and the other half by parties in a different line of business, it will be found necessary to keep the place far warmer than is desirable for the keeping of perishable stock like cut flowers. In such a case many florists have resorted to the means of boxing in their windows with glass partitions. Although such a window is open to some objections, notably this, that the confined moisture condenses and settles on the glass, it is certainly of great advantage in keeping the stock in presentable shape much longer.

Our first illustration shows a window of this style, the display gives the arrangement of a general supply of seasonal stock. The vase in the center contains about 2 dozen long stemmed Beauties with a tall vase of gladiolus in light shades to the rear of the left with a vase of carnations and white lilac next, and a pot of adiantum and low basket of pink and white sweet peas at the base. In front of the Beauties stands a low arrangement of *Spiraea prunifolia*, flanked on the right by another vase of carnations (white), and a small basket filled with pink cornflowers. Such a display represents a cost of about \$15, and if all the stock were wasted, would of course be quite an expensive advertisement. But with proper care very little need be wasted.

The second window is of an entirely different type. In this display, decorative and other plants enter largely into the arrangement. The plants are arranged not so much for a massive foliage effect, but to display each specimen to best advantage. The pots are set in celluloid baskets, which latter, in the picture at least, appear with a little too much prominence, which however, is not objectionable for the purpose intended. While plants occupy the larger part of the windows, the left portion as shown in the illustration is partly devoted to a few well arranged vases of *Lilium auratum* and *L. roseum*, gladiolus, marguerites and a border of sweet peas. This is a typical summer window. In establishments where plants are handled such a display can be kept at a nominal cost, and recommends itself for effectiveness.

New Plants.

One of the finest novelties likely to come out next season is a perfect double large flowering pansy of the color of the well known Lord Beaconsfield. A double pansy itself is nothing new exactly, and years ago I have seen what was termed double flowers of that favorite spring bedding plant, but the one in question is entirely different, and far superior to anything of that kind in cultivation. The flowers are of perfect and very regular shape, imbricated and double to the heart, resembling a gigantic broad-petaled violet. In the spring and fall months, in cool weather, these flowers are of great size and substance, very freely produced, and last far longer than any of the single varieties, and when placed in water remain fresh for a long time, having no tendency to curl up the petals. I have now a bunch of them on the desk, which Mr. W. H. King, the originator, brought over to me a week ago, and the flowers look fresh and dainty enough yet to be sold in the store.

Three years ago, when the first plant of this novelty came in flower, I was permitted to have a look at it, and advised the propagation of it and trial another season. Robust growing plants will sometimes produce double or semi-double flowers early in the season, and afterward, when the hot weather sets in, nothing but everyday single flowers will come out from the same plant, but the hot or dry weather had no effect on the double flowers of this plant, and the numerous flowers are just as double now in the middle of an extraordinary dry summer as they were in early spring, only they are not of such a large size as they were then. It propagates very easy either by cuttings or by layers, and a large stock of it may be gotten up inside of five or six months from a few plants if well taken care of. The plant has a strong and

healthy constitution and can be flowered during winter in a violet or carnation house, and I do not hesitate to say that I am sure that the flowers will sell at fancy prices all the year around, even in the dull summer months the beautiful color and size will attract the attention of every flower buyer. Whoever grows violets should try and grow this pansy; there is no disease to battle with and the crop is everlasting.

Rochester, N. Y. J. B. KELLER.

[The flowers, judging from some specimens sent to this office, are strong and robust, and extremely double, making a compact blue-purple rosette. They are quite as double as our best double violet, and should prove very valuable to the flower trade.—Ed.]

Miscellaneous Seasonable Hints.

It's so long since I attempted to remind my brother florists of a few simple things to be thought of in their seas in that I can truly say "where was I at?" In this midsummer season there is work for the grower as well as at other seasons, if we are not quite so rushed. There is an inclination with many in the trade—and the writer may be among them—as soon as the big rush is over in June to rest on their oars and say "Now we can rest." I would remind those that now is the time to paint your houses. It is money well spent if done every year. Another most important item, in fact the very foundation of your success, is a good big compost heap. The great majority are niggardly in this great essential. It does not require skilled labor to pile up a big heap of sod with a fourth of cow manure amongst it, and don't think that you are paying too much if you are taxed a dollar a load for it. A florist in a large neighboring city told me a few years ago, that he paid \$5 per load for good "top earth." It seemed high, but no doubt it was cheap over some poor fibreless soil which is too often used.

Among the prospective crops we are thinking about just now are mignonette and pansies for winter blooming. To be large enough to cut in November mignonette should be sown at once. A solid bed is, I believe, better for it than a bench, but it can be well grown on a bench in 4 or 5 inches of soil. Don't get the mistaken idea that you can grow good mignonette without giving it lots of room; let the rows be 15 inches apart, and the plants 12 inches. The eastern growers who make a specialty of this crop give it more room than that, sow a few seeds at the distances I have mentioned, and when well up thin out to the two strongest, and when large enough to be out of the danger of our enemies the slugs, etc., leave only one plant.

Pansies for winter blooming should be sown at once. Sow in a flat and put into a cold frame, well shaded. In a month they will be ready to transplant on to the bench where they are to flower. If you grow the above crops in one house choose the warmer end for pansies. If too cool they will not flower.

If you rested your callas out of doors and dried them off as many do it is time early in August to start them going again. Shake off every particle of soil and pot in 5 or 6 inch pots, and plunge in a frame in the sun; before frost comes they will have made a fine sturdy growth and give you flowers in October and November, when they are often very desirable. When cleaning the calla bulbs you will find any number of small bulbs round the neck of the old root; you can increase your stock of callas by potting

these bulbets into 2 or 2½-inch pots and growing them on.

Those who have a call for ferneries in the winter—refilling is more of a business than selling new ones—should at this time look out for a good stock, for in midwinter and spring it has been almost impossible to get the right size of plant, the demand has been so enormous the past few years. Purchase by the thousand now in 2-inch pots. There are firms handling them by the hundred thousand. Shift when received into a pot a little bit larger, say a 2½-inch and grow on, and you will have the right size of plant. As the growers of these now grow only what is useful for the purpose you can largely leave the selection to them without proviso. You don't want the beautiful *Adiantum cucucatum* (maidenhair) in a fernery, much as you want it everywhere else, for it will not do in a living room, and the continual cry by Madam is "don't put any maidenhair in my fern case."

I am busy just now tying up chrysanthemums in the beds and benches, and trust I am not too late to tell some of my readers that there is only one way to tie them, or rather support them, and that is with strings. Stretch a wire commonly known as stove wire across the bench behind each row and a corresponding one near the roof and then run your strings from bottom to top; this is one-half the cost of stakes either wood or metal, can be tied up in much less time, and there is no toppling over, which there always is with stakes; on the side benches where the dwarf varieties are planted, such as Lincoln, Ivory, Etoile de Lyon, and others, short stakes will do. Another advantage with the strings—when the crop is ready to throw out a slash with a sickle top and bottom clean the whole thing out, string and all.

The Bermuda lilies have begun to arrive; don't let them lie round a dry shed, for it does them no good. Pot at once; a good light loam with a fourth of thoroughly rotted manure will suit them but nothing like fresh manure should be used. For a 5 to 7-inch bulb use a 5-inch pot, 7 to 9 a 6 inch, larger bulbs will require a 7 to 8-inch pot. When potted and well watered place out of doors and cover with a few inches of litter from the stable, that will prevent so much drying out and need of watering, and as they have no roots for a month the less watering they receive the better.

In the Buffalo notes of this issue is an account of the "chicken cure" for grasshoppers on carnations. If this plan had not been adopted there would have been a loss of several thousand dollars in the village of Corfu. I have within a few minutes inspected the area of carnations alluded to and will repeat here that it's a most unqualified success in every way, not to mention cheap chicken pie after the carnations are housed. WM. SCOTT.

The Plant Trade in Chicago.

The reports on the trade in bedding plants the past season are somewhat conflicting. Quite a number of growers and retail dealers seem to be well pleased with the amount of business done. While none of them may have sold out clean of everything, yet the stock was pretty well cleaned up. Others, again, complain of the trade as having been below normal demand. There is no doubt, as a visit to a number of establishments will prove, that considerable stock was left unsold. This is particularly true of certain lines of plants. In one place we noticed a large lot of *ageratum*, compact and well grown

stock in 3-inch pots. The variety is of dwarf habit, name unknown to grower. [Probably Cope's Pet.—Ed.] This particular *ageratum*, as reported, was in great demand for the spring of '93 and '94, and in anticipation of an increasing demand this year a larger stock was propagated, but the demand proved next to nothing. A majority of other growers also experienced a very slow demand for this stock.

Coleus, once so popular as a bedder, is in very limited demand now. Verbenas, also, at any rate greenhouse grown stock, has fallen off considerably in demand. Not that this plant seems to have grown unpopular, but the great majority is raised from seeds by the consumer himself. A bed of these plants will perpetuate itself for years by self-sowing, the seedling as a rule being more vigorous than stock propagated from cuttings, hence, probably, the great decline of demand for stock of this sort.

The geranium is one of the leading bedding plants still, particularly the bright scarlets. The sale of these appears to have been larger than ever, although the prices have dropped to a figure where but a small margin is left to the grower and dealer; \$1.80 is reported as the top price for the best stock in 5-inch pots, this generally includes the labor of planting and often the preparing of the beds. If these prices could have been uniformly maintained there would be little cause for complaint, but prices were cut by the majority of dealers to ridiculously low figures, much to the injury of the trade at large. The demand as stated above was largely for the red varieties, and these in solid colors of but one sort. Very little of this kind of stock is left over. Wherever we find a considerable number of geraniums left over they are generally of a mixed lot, where out of a hundred plants you couldn't pick a half dozen of one variety. Growers who still persist in growing their stock without reference to keeping the varieties separate, not speaking of their being true to name, would do well to give some attention to this in the future.

Pansies were sold in increasing quantities. In the first place the flower is a great favorite with the public on general principles, and furthermore it is about the only thing in the bedding line that can be risked for spring planting without injury in our changeable climate. It is, generally speaking, but short-lived, as with the advent of hot weather about the latter part of May or first of June it gives way to the more permanent things, such as geraniums, etc. But in spring the pansy rules supreme, and hardly a city lot, no matter how small, but boasts of bed or window-box of this flower. Prices ruled about the same as former seasons, varying as to season and quality from 25 to 50 cents per dozen at retail.

Cannas of the large flowering French type are in largely increased demand. These have superseded the old form, used for foliage effect, almost entirely. Madame Crozy is the leading sort in general commerce, but many other varieties of this type may be found adorning our city and rural homes with their gorgeous blossoms and rich foliage. Begonias, too, are seen more generally in summer bedding than formerly. The tuberous varieties appear to do quite well wherever tried, and the demand will doubtless increase largely the next season. But not alone these; a number of other flowering varieties of the begonia are well adapted for bedding and are destined to become quite a factor in the market for bedding purposes.



ILLUSTRATION NO. 2.
WINDOW DECORATION.

Herbaceous perennials, as well as biennials and annuals, are coming more and more to the front. This may account in a measure for the fact that so-called bedding plants proper have not met with a proportionately increasing demand. This class of flowering plants appeals more strongly to people of moderate means and those of an economic turn of mind. Take the herbaceous and perennial class. When once established and treated with half-way decent care they will give to their owners more real pleasure and prove far less expensive than any other form of plants. Our public parks, notably Lincoln and Washington parks, have done good missionary work in calling public attention and creating a love for a class of plants which had been unknown before to many, and neglected by others. At this season of the year we see many an otherwise unsightly backyard gay with the blossoms of bollyhocks, delphiniums, phlox, helianthus, lychnis and many other forms.

To cater to this increasing demand material suitable for the perennial border should be the aim of those of our growers engaged in furnishing stock for the adornment of our homes. The profits from sales of this class of plants should be at least equal to that derived from other lines. The numerous varieties of summer annuals are also in constantly increasing demand. Many lovers of this class of plants have neither the knowledge nor the patience to raise themselves from seeds, but prefer to buy the young seedling plants from the grower. In many cases no preparations are made for such demand. Those who give attention to this line have found it quite profitable.

The trade in pot plants is reported as very satisfactory, showing a decided increase over preceding years. In flowering plants for midwinter and early spring the cyclamen should receive more attention than it does at present. This

plant gives universally better satisfaction as a house plant than any other we know of. It sells readily at good prices, and yet but very few are grown, and these generally of a very mediocre quality. At the present date of writing (July 16) we see a small lot here and there, little wee plants in two-inch pots stuck in some out-of-the-way corner of a house, apparently, neglected entirely during the spring rush. But how can any grower expect satisfactory results from such stock? Really well-grown plants are rarely seen in our market and those we find are often shipped in from outside points. Some wide-awake grower, one located conveniently to the market, would do well to give the cyclamen more attention. There is little doubt it would pay him.

Primulas sold as well as ever, and in these a decided advance has been made. The plants as a rule were well grown, and those of the improved varieties. Cinerarias are popular with some classes of buyers, while others neglect it altogether; hence we find that some growers had a lot of stock left over, while others sold out clean at good prices. The stock of azaleas was more cleanly sold out this season than many preceding years. Comparatively few are found in summer quarters. Pelargoniums were in good demand, and the large stocks grown this year are disposed of in most cases. Fuchsias are not as popular now-a-days as was the case formerly, still there is considerable demand for them, and fuchsias are sold in midsummer when nothing else is in demand.

Palms are in largely increasing demand year by year. Kentia takes the lead, with latania and areca next. These three varieties constitute the bulk of the stock handled in this line. The sizes that sell best are plants in 5 and 6-inch pots that sell retail at \$3, \$4 and \$5 each. Most of these saleable sizes are either imported from Europe or come from eastern

markets. Our home grown supply is entirely inadequate to the demand, notwithstanding the fact that such firms as Geo. Wittbold and J. C. Vaughan grow thousands of these plants annually from seed. Although the above varieties are by far the best sellers, chamærops, corypha, livistona and rhapsis also find a good market.

Rubbers continue in good demand, the sale of these has been quite large at fair prices. Plants that retail at from \$1 to \$2 on the best commercial sizes. Pandanus ntilis, and more particularly P. Veitchii are good sellers, the demand for the latter is much the largest. These plants generally give good satisfaction.

A number of firms who handle such stock of plants as is used for general decorative purposes have found the past season an active one. Many houses, however, refuse to let out their plants for such occasions, as one season is apt to ruin the stock to such an extent as to render them useless for the market. It is needless to say that stock continually carted around, and exposed to all sorts of weather must suffer, and when such stock, as is too often the case, is sold in legitimate channels proves injurious to the trade, and should never be countenanced by any firm making pretensions to square dealings.

Transplanting Rhododendrons.

What is the best time to transplant rhododendrons? Are the Pacific coast plants good bloomers without being grafted? A READER OF THE FLORIST.

Rhododendrons may be transplanted successfully at almost any season of the year, even when in blossom. The best time, however, is in spring, before the buds start, or in August or September, after having completed their growth. As to the hardiness of the Pacific Coast

plants; it depends entirely upon the varieties. If California rhododendrons are meant their hardiness would be in doubt, as all the Himalayan rhododendrons are hardy in California, and while very fine they are not fit for the latitude of New York and Boston. They are grand bloomers without grafting.

JACKSON DAWSON.

S. A. F. Medals.

We would remind our readers who are interested in the production or introduction of new plants, of the valuable medals first offered by the Society of American Florists at the St. Louis Convention and which are open to competition at every annual meeting of the society. These medals, which are of gold, silver and bronze, are to be awarded to the originators of new hybrids, or varieties raised from seed, or the discovery and introduction of new species or varieties that are decided improvements over existing kinds. The awards to be made in accordance with the following rules:

"No award shall be made for any plant that has not been grown at least two years in this country, and exhibited at least twice before some regularly recognized horticultural society, where it shall have received a first class endorsement in writing by said society. Further, that it have the endorsement in writing of three members of the Executive Committee before it shall be considered by the full Executive Board, and then only shall such award be made by a two-thirds vote of the Committee. Such species or variety to be shown in plant form and cut state where practicable. Not more than one medal shall be awarded in each class, and not more than three in all in each year."

From the Far West to Pittsburg.

It is to be regretted that the railroad companies in the far West have not seen fit to grant to the florists in their territory equal facilities in the way of reduced fares to the Pittsburg meeting as have been conceded by all the lines east of the Mississippi River. The best that can be done under the circumstances by those attending from the excluded territory will be to purchase tickets only to Chicago, St. Louis, or other central points, and then repurchase from this point to Pittsburg, taking a certificate from the ticket agent, which will entitle them to the regular reduced rate of one-third full fare returning.

Chicago to Pittsburg.

The committee of the Chicago Florist Club has arranged with the Pennsylvania railroad for transportation to Pittsburg. The party will have special cars on train leaving Union Depot, Chicago, at 3 p. m. Monday, August 19, reaching Pittsburg at 6 a. m. eastern time (7 a. m. western time) on Tuesday, the opening day of the convention. Florists in the west and northwest are cordially invited to join the party. Berths may be reserved by addressing the chairman of the committee, Mr. G. L. Grant, 322 Dearborn street, Chicago.

S. A. F. Bowling Contest.

The committee on bowling request that all teams wishing to compete for the prize cup at the bowling tournament will send in their entries at an early date. Address all communications to H. Scherer, chairman, 510 Smithfield street, Pittsburg, Pa.

New York.

A few white roses and American Beauties seem to be about the only flowers required to satisfy the daily demand. Of other roses, Bridesmaid, Meteors, Test-outs and so on there is a large supply being sent in and they are disposed of in bulk to the street men or otherwise, but they could all be cut off from the market and still nobody would suffer. Of white roses, Kaiserin Augusta Victoria is decidedly the best at this season, and it is becoming very popular with the retail people, who appreciate its fine form and delicious perfume. Carnations are in much better form than ever before at this season of the year, and those growers who have been observant and ambitious have proved conclusively that it is possible to get superb carnation blooms in midsummer if you go at it properly. Sweet peas continue to encumber the market and do not pay for the picking. Gladiolus and auratum lilies are plentiful, the latter in splendid clusters of enormous blooms. They make a very effective display in a florist's window at a trifling cost.

It would seem as though everyone, wholesaler or retailer, had been, is now, or soon will be off on a vacation. Even Charlie Carlin, who is as indispensable to Thorley and to the 28th street fraternity as a rudder is to a ship has gone away for recuperation. The only evidences of activity are displayed by the gentlemen connected with the new flower company which, according to rumor, has secured ample premises for the transaction of its business on West 23d street between 6th and 7th avenues with Mr. Frank D. Hunter as manager, and expects to get under way by the first of September.

Boston.

Wholesalers and growers are now beginning to hear from the fashionable seaside resorts. The demand seems to follow in the same lines as in last winter's city trade, and American Beauty roses have the call, most decidedly. There was a time when the taste at these summer places ran to golden rod, ox-eye daisies, asters and gladiolus, and people seemed to want something identified with their rural surroundings on occasions when flowers were required, but things have changed now and the favorites of city life only are in demand. Local trade with the retail florists has picked up a little. The first half of July is the duldest time of the year, and after the 15th a slight improvement is always experienced. The gain is not enough, however, to keep anybody very busy, and all are taking such recreation as is available. On Monday, July 22, a party went on a fishing trip in the bay, taking dinner at Nahant. Various musical instruments were taken along by the experts, and every requisite for a good time was provided. P. Welch was general manager. Warren Ewell captured the prize for the first fish caught, a big cod; Warren is an expert.

At Horticultural Hall on Saturday, July 20, was the usual attractive exhibition of fruits and flowers. The entire center table was occupied by the exhibit of hollyhocks from J. S. Fay. There were hundreds of individual blooms arranged on dishes, and these were very good. The spikes showed that the destructive hollyhock fungus had reached Woods Holl. Whoever can discover a preventive for this miserable pest will confer an inestimable favor on the lovers of this grand garden flower. On the previous Saturday Wm. Robinson was awarded a silver

medal for a seedling *sobralia*, *S. Amesiae*, a cross between *S. Xantholeuca* and *S. Williamsii*. Mrs. F. L. Ames received a certificate of merit for Javan rhododendrons.

A communication signed "Clerk" has been received at this office. This cannot be published unless the writer's identity is first made known to us, but referring to the subject of the letter in a general way we would remind "Clerk" that the Gardeners' and Florists' Club of Boston was organized for the advancement of the best interests of all in the trade, clerks as well as proprietors, and no better means exists for correcting abuses and righting wrongs than to join and become active in the affairs of this organization.

Buffalo.

A serene and dry calm pervades the classic shores of Lake Erie, and so dry is the surface of the earth in these parts that the little toads and frogs have burrowed deep into the swamps in search of moisture, and we are deprived of their sweet calling song. Business is no worse than usual for this season, July and August in inland cities always are very dull. An occasional call for funeral flowers is just sufficient to keep the retail clerks from going to sleep or doing worse. Flowers of every commercial kind are in sufficient supply without any great surplus. Statistics show that the mortality percentage for the month of June was lower in Buffalo than in any city in the world of one hundred thousand and over, so pity the sorrows of the poor florist.

I am glad to tell your readers that the flower gardening in our public parks is not only much increased in quantity but greatly improved in quality, and all done under great disadvantage. When the new range now being built is completed I feel sure that the absence of high class flower gardening will be no longer a reproach to our beautiful parks. Under the personal supervision of Capt. James Braik, assistant superintendent, it will be in able hands. In front of Mr. Braik's house, corner Forest and Delaware avenue, are to be seen at this moment two long beds of tuberous rooted begonias. I have never seen anything like them, and visitors from out of town who travel the country over say the same. The plants were raised in hotbeds and never saw a greenhouse, and possibly all the better for it. They receive plenty of water, but carefully done, not dashed over their flowers and foliage as you would over a bed of cannas.

Grasshoppers made their appearance about three weeks ago in country districts, and would, if left alone, have wiped out several acres of carnations. The enemy had to be met seriously this year; one grower surrounded his whole batch of plants, about one acre, with chicken netting three feet high and then purchased 50 half grown chickens (breed not particular). To be brief it's a perfect success, and we are saved. Not a hopper dare poke his nose through the fence; if he does a young rooster is after him as eager as a New York politician after the spoils. Expense is nothing compared with results, and the way they hopped from burnt-up pastures to the succulent carnations threatened us ruin.

Last week we had a visit from several Toronto friends; the evergreen Geo. Vair, Mr. Reeves of Reservoir Park, Mr. Foster of Hamilton, and a gentleman from Toronto not in the profession, but who relieved us from all efforts at conversation, for he did it all. As it was of a very



VASE OF SUMMER FLOWERS.

amusing kind we were perfectly satisfied.

Mr. Anderson is round again recovered from his accident. The only building I hear of this year is by J. H. Rebstock, who intends to add two more houses to his Elmwood avenue place. He is also building a small office and salesroom at his Main and High street establishment. Our commission man, D. B. Long, has returned from his Boston trip; he says it was purely a pleasure trip.

Prof. J. F. Cowell of botanic fame has been spending a few days in Pittsburg and vicinity. He was investigating the chemical properties of the atmosphere in some of the valleys of the Appalachian Mountains. He says he found several good things besides atmosphere, not the least the cordial hospitality and company of Park Superintendent Gus Bennett. The professor has marshalled his clan of shooters and hereafter a few hours will be spent at Daws Park, Main street, every Thursday afternoon till convention week. The lowest score of the day will have to liquidate the cost of the trifling refreshments which will be used, and the next lowest will pay the car fare there and back. Long is booked for refreshments and Adams for car fare.

I received the remarkable news yesterday that your correspondent had become a grandpa, for the first time in his life, so hereafter expect nothing frivolous from either tongue or pen, for it might have been a boy, but it was a "new woman."

Mr. Mott of Riverside, N. J., called today looking fat, sleek and happy, and says business is good. W. S.

Baltimore.

The excursion to Bay Ridge turned out even more enjoyable than was anticipated, the weather being all the most exacting could have desired, and the enjoyment on the way and after arriving of the most unqualified character. Pretty much the whole membership of the club were in the jolly party that entered the special train at Bay Ridge, after a delightful trip down the Chesapeake, and were whirled over to Annapolis. Mr. Seidiwitz was waiting for them, and pioneered the whole crowd through one of the most interesting little cities on the continent. The State House, Governor's Mansion, Naval Academy and all other interesting and historical points were visited in turn, and then Mr. Seidiwitz's own place, where, after looking through greenhouses as clean and filled with as healthy plants as possible, all assembled around a table loaded with delicacies and proceeded to enjoy a feast such as only the dwellers along the shores of our noble bay need ever hope to equal. The table being set under the shade of large trees added to the charm, and from a platform near by a small minstrel troupe alternately tickled the fancy with quaint jokes or delighted the ear with well rendered music. The end-man, one Flabby Johnson, was a genius, and in narrating an imaginary trip to Baltimore and suburbs he managed to touch up a surprising number of the trade, not even omitting Bro. Christie's budded roses or Moss's water works.

While this was going on two belated members, W. B. Sands and Jas. Pentland,

arrived, having missed the boat and come down on the railroad direct from Baltimore. Then came the speeches, in which Messrs. Jno. Donn, B. Jones, W. Christie, Jas. Pentland, W. B. Sands and President Graham all had a turn, and though the general tenor of all was complimentary, not to say laudatory, of Annapolis hospitality and Mr. Seidiwitz as the dispenser thereof, yet opportunity was found for a lot of good advice, and forecasting the future at least as far as the next show. To say that every one present was surprised and delighted with the warmth and completeness of their reception would be no more than a bare statement of facts, and if a vote had been taken for the next president of the club on the way back to the cars there would have been but one nomination and a unanimous vote.

After the trip back to Bay Ridge the eighty members present at the banquet scattered among the thousands at that popular resort and for the most saw one another no more. Messrs. Sands, Pentland and the writer accompanied Mr. H. Brummel in a botanizing expedition around the Ridge, and enjoyed both the walk and Mr. B.'s remarks, for he is a most accomplished botanist, and whatever he says about plants is sure to be worth listening to. The trip up the bay at night concluded a day long to be remembered, and if the S. A. F. will only drop in at our town some year we will promise them just such another, or as near like it as possible.

Weather continues cool with occasional showers, but business does not seem to improve much in spite of the weather. Roses are small, off-color and short supply, except Perles, which seem fairly good for the season; three cents is about the price all around. Sweet peas and outdoor stuff generally is very plentiful, and twenty to twenty-five cents a hundred all that can be expected for it when it sells at all. MACK.

Vase of Summer Flowers.

The accompanying illustration shows an arrangement in a cut glass vase, composed of a dozen stems of *Lilium candidum* with an equal number of sprays of *Spiraea sorbifolia*, with edging of *Gypsophila paniculata*. The latter deserves to be more freely used in arrangements of this nature than seems the case nowadays. It is one of the most graceful little flowers, and for a loose effect has few equals. *S. sorbifolia* is also well adapted for such purposes. The probable cost of this arrangement would be 12 stems of *L. candidum*, 1.25, *spiraea* 25 cents, *gypsophilla* 25 cents. Total \$1.75.

Toronto.

The regular monthly meeting of the Gardeners' and Florists' Association last Tuesday was well attended in spite of the great heat. It was a lively and good humored gathering, and several interesting little discussions were had. It seemed to be the general opinion that Mr. Miller's new carnation "Bride of Earls court" was the most suitable general purpose white to grow in this section at any rate. Carnations were reported to be doing well for all the scorching they had been subjected to, and the late rains have put new life into them. Mr. Ewing asked who was going to Pittsburg but did not get very encouraging replies. It is very hard to get the boys to enthuse on this question.

The cricket match came off on Wednesday, but I regret to say that a previous

engagement prevented my attendance. I hear though that there was a good crowd present and lots of fun. The match was between east and west Toronto and I was told that one of Mr. Chambers' sons who played for the west made more runs than all the east put together. The east is of course burning for revenge, and another match will be arranged shortly.

There is no trade doing now. Ask a florist "how's business?" and he only looks at you with a mingled expression of pity, scorn and "come off."

The beds in the parks and gardens have made astonishing progress during this last week, in fact more than they had made before since being planted. The weather has been warm and moist, proper coleus weather one might call it. The grass too, which a week ago was brown, is nearly restored to its pristine color, and the sound of the mowing machine is again heard in the land this week. Everything grows. E.

Pittsburg.

The regular meeting of the club was held Tuesday evening, 23d inst., with a full and enthusiastic attendance. All the committees reported good progress and will have everything definitely arranged at next special meeting, July 30, at the Hotel Schlosser, where the proprietor has kindly given the use of a room for the meetings of the club.

Chairman Reineman of the entertainment committee reported having secured the option of the Casino in Schenley Park for the president's reception on the first evening of the convention; this is a new departure and I think a very desirable one, as it will bring the members of the society into closer social relations.

It is the desire of the club and the reception committee that all visiting clubs and parties coming to the convention will notify the chairman, A. W. Smith (Mt. Washington), or the secretary of the club of their time of arrival here, and by what route, so that the committee may meet them.

The bowling club committee has made all arrangements and will be pleased to have all entries made early as possible to Chairman Henry Scherer, 410 Smithfield street. Without a doubt the new alleys are the finest the society has ever had for a contest; there are six new regulation alleys, a nice reception room and sponge baths for the excited contestants, all lighted by electric system, and the whole place is modern and up-to-date. The committee has secured the alleys exclusively for the members of the society; they will be opened on Wednesday morning to any of the competing teams for practice. The hall is directly under the Grand Opera House, running through from 5th avenue to Diamond street, with the entrance on Diamond street. The individual prizes for the contest have not all been selected. The committee has decided to give outside of the individual prizes a silver badge to each member of the winning team and a gold badge for the highest individual score.

The shooting contest was taken up and voted down, the reasons being want of time and inability to get suitable grounds for the contest.

The boating trip up the Monongahela River to the great Homestead Steel Works will be a very pleasant outing. Preparations have been made to entertain the ladies with a drive through the principal parts of the city and the parks. The Alvin Theatre, where the convention is to be held, is a very fine building, admit-

ting the meetings and the trade exhibit in the one building. The large conservatory connected with the theatre and the foyers will give ample room for the trade exhibit. The permanent decorations in the building are good, a fine large stage, ladies' parlor, smoking room for the gentlemen, while the theatre office will be used for the secretary. I trust we will have a fine trade exhibit and would like to see more applications for space. Pittsburg is finely situated for the convention, being central, and can be reached from most of the cities in one night's travel. We expect to see the largest meeting with the finest trade exhibit that has ever been held, and trust that all who can possibly spare the time will come. BROWN.

Philadelphia.

Saturday last was a banner day in the history of the Florists' Gun Club of this city. In response to an invitation to visit Mr. H. H. Battles at his farm near Newtown Square, fifteen members turned out, armed with their best shooting irons, various grades of coal dust and other forms of ammunition. The ride of some 14 miles through a delightful country was taken on a tally-ho and a right merry time was enjoyed by everyone. Passing Robert Craig's a salute was given which brought everybody to the front and the party had to alight and partake of refreshments from the hands of Mrs. Craig and her hospitable family. Mr. Craig, who was to have been one of the party, was unavoidably out of town. Continuing the journey, the special feature of which, outside of the beautiful landscapes, the numerous toll gates and the dodging of low branches, was a terrible arraignment of the Scotch by Deacon Harris. Anderson, the principal defender of his countrymen, gave as good as he got, and it was a lucky thing for the deacon that Mr. W. R. Smith of Washington, who was to have been one of the party, was unfortunately not able to go on account of sickness of a relative. Mr. Smith is noted for his witty sallies, and when it comes to upholding the land of his nativity he is simply invincible. A hearty welcome was awaiting the visitors, and after a short inspection of the finest spring house in Delaware county and a glass of the finest milk and various other fine things not so generally found in spring houses, the party repaired to the mansion, where a bounteous spread was partaken of with a relish, the long ride having generated good appetites.

The shooting range was next visited and the sharp crack of the guns was kept up incessantly the balance of the afternoon. The little Scotchman demonstrated his ability to get away with his rival; he was in great form, as in fact were all the shooters, even the grand old Duke demonstrated that he was entitled to a place. After a short inspection of the commodious barn and some of the finest stock in Delaware county a lunch was served. Finally darkness setting in reluctant good byes were said to their host and his lovely wife, and three cheers were given with a will from the coach as the party started homeward. The occasion will long be remembered by the members of the club fortunate enough to be present.

There is little or no business in the stores, but it is as good as usual for the season of the year. Orchids seem to sell well, as they are as good now as in the winter, and while no great quantity are about enough are to be had for the demand. Very good valley is selling for \$3

per hundred, and it would seem as if it costs nothing to keep it in cold storage. Good short white carnations from outside bring 50 cents per hundred, while sweet peas are almost thrown at prospective buyers.

W. K. Harris is putting in ten new Chadbourne Automatic ventilators; he had a number on trial last season and says they did everything the makers claimed for them and more.

Convention matters are being talked about considerably and a good crowd from this city is sure to be present. The various social features, particularly the matches arranged for the bowlers and the shooters, come in for a large share of the discussion. The gun club's work is all that could be desired, but if the great number of 200 and over bowling scores that are being published in the letters from the various cities are any indication of what Philadelphia is to expect at Pittsburg we don't think any prizes will come our way this year.

Mr. P. O'Mara of New York and James B. Kidd of San Francisco were in town the past week.

Commodore J. Westcott, W. K. Harris and John Burton spent several days at the Waretown fishing grounds the past week with good success. K.

St. Louis.

Weather very hot; no business is what you hear from all the store men, even the occasional funeral design has been lost sight of this week, so the store men and the wholesalers have had an easy time of it. But the grower is not so fortunate; he has lots of work to do now; pulling out old stock and planting new. The summer cut of roses and carnations that comes in is fairly good; small roses are 2 cents and carnations 1 cent. Asters are coming in now, and will soon be plentiful at \$1 per 100. Double white petunias are grown by some of the florists in large quantities, to take the place of white balsams, and work up well in funeral designs. The balsams have dried up this summer from the heat.

Julius Koenig, Jr., has leased a new place in Baden near his father's, and is putting up two new houses 100x20; one will be planted in roses, the other in carnations.

John Young will leave on the morning of the 25th for Atlantic City to join his family. John could not miss the picnic you know.

Tom Carroll has some new seedling carnations; the committee on new seedling carnations will have to keep an eye on Tom.

Park-commissioner Ridgely has at last appointed his superintendent; "Billy" Pape got it and everybody congratulates the commissioner on his choice and in turn congratulate "Billy." He will give a good account of himself at the end of his term; he has 4 years to do it in.

The Jordan Floral Co. decorated for the banquet of the National Retail Jewelers' Association Thursday night at the Mercantile Club. The decorations was very tasteful and elaborately gotten up.

Chas. Roeper, foreman for C. C. Sanders, has returned from a visit to his old friend Tom Peterson at Moline, Ill., who is foreman for Mr. John Deere at that place.

Everybody is talking picnic now, and the committee is doing everything in their power to make it a day never to be forgotten by the florists and their friends. From the talk there will be a very large attendance, and the older florist will be heard from. In the 30 yards run for flo-



THE PHILADELPHIA FLORISTS' GUN CLUB AT MR BATTLES' COUNTRY PLACE LAST SATURDAY.

ists of 40 years old and over, the entries so far are Carew Sanders, Julius Koenig, Alex Waldbart, Chas. Jungel, Chas. Cannon, F. C. Weber, Wm. Schray, and Carl Beyer Sr.; the prize is a new hat.

Wednesday night, July 17, the Chinese had every thing their own way in the bowling. They won 3 games from the Japs; the total score was Chinese 2427, Japs 2212. C. Beyer made the largest single game, 229. Next Wednesday night, July 24, they roll at Meramec Highlands at the picnic. Everybody is looking for big games, as they all want to win the gold watch or the gold chain and charm.

THE SCORE.

JAPS.				
Names.	1	2	3	Totals P.
A. Waldbart	164	119	143	426 1
C. A. Kuehn	183	159	160	502 1
H. Young	51	151	118	420
C. Beyer	156	130	229	515
F. Fillmore	117	106	126	349 3
Totals	771	665	776	2212 5
CHINESE.				
Names.	1	2	3	Totals P.
J. Young	155	131	148	434
Rob't Beyer	151	177	158	486
Fred Weber	148	180	153	481 1
E. Schray	181	184	178	543 2
J. J. Benecke	169	159	155	483
Totals	807	831	792	2427 3

The spring plant trade in St. Louis was about 20% greater than last year. I have consulted most of the leading plant growers here and find that the spring trade has been generally very satisfactory. There was an extra demand for beliotrope, Queen of the West geraniums, moon vines, large sized roses and especially French cannas, Mme. Crozy in the lead. The varieties that sold poorly are calendulus, coleus, alternantheras, and the class of plants used for carpet bedding. Shipping trade fell away a little, but the local trade made up the difference. The prices run about the same as last year. All the growers are feeling good and all are satisfied at the business they have done.

J. J. B.

PLEASE mention the AMERICAN FLORIST every time you write to an advertiser.

Cleveland.

There has been very little convention talk as yet in Cleveland. Some of us have so much work on hand that must be done before that time that it is not possible to give a positive answer either way as yet. A great many, who have not heretofore done their duty in this matter, should certainly make a great effort to get to so near by a place as Pittsburg. If these delinquents should become conscience stricken and go, their number, added to the old reliables who always attend, ought to make a delegation creditable to a city of close on four hundred thousand.

Things are very slow. There is nothing doing socially that means anything to us, and the prominent ward politicians obstinately maintain a state of malignant good health, so there is nothing but the every day run of funeral work to attend to. The dry weather has had a very injurious effect on all outdoor flowers, notably sweet peas, which with some florists are an absolute failure; with others they are only a partial crop. A very few report them up to the average year both in quantity and quality. Still the sources of supply are so varied, that of peas and all outdoor stock there are enough to go round. About the only ones who kick very hard are those who had to sow three or four times, got little or nothing for their pains, and now have to buy their stock.

A run through Glenville the other day disclosed the usual mid-summer condition of affairs, except in outdoor supplies. This is one of the regions most severely affected by dry weather, as the soil is almost universally very light and sandy. Carnations are very little larger than when first planted, but with the fine showers we have had since, they will doubtless begin to go ahead.

A visit to the establishment taken in charge by H. A. Bunyard found that young man up to his neck in work, with plenty more-a-coming. Some of the houses had already been replanted and others

were being rapidly gotten into shape for that operation. A considerable proportion of the glass is to be devoted to American Beauties, and a goodly share of La France have been put in. One large house of good height goes into Asparagus plumosus. Some of the smaller ones are to be devoted to violets and carnations, so that altogether Mr. Bunyard will hardly have much time to fall very deeply under the somnolent influences of Collamer, East Cleveland or Saint's Rest, as the burg is variously known locally. The official post office title, however, is East Cleveland, so that those having business to transact with Brother Bunyard may govern themselves accordingly.

A.

Worcester, Mass.

Good flowers are still to be had in medium quantities, but the sales are very light, even for this season, some funeral work being the only chance to work up the stock. Good Daybreak, Scott, Spray, Hill and Mangold carnations are brought in and sell as well as anything. Roses are small and short stemmed and not very numerous. Field grown stuff such as candytuft, achillea, sweet peas, hollyhocks, dianthus and helianthus, is in good supply and of very fair quality, the sweet peas being especially fine this summer. Carnations in the field are doing well and give every promise of being fine this winter. We have had lots of rain and now are having a spell of hot sultry weather that is trying to bipeds, but makes plants grow.

Most of the inside planting is done and repairing and getting the houses ready to receive their guests in the autumn is keeping most of us busy. H. F. A. Lange still keeps on building and will add three houses and if possible four to his plant, two for carnations, one for smilax and one for miscellaneous and bulbous stuff. Cypress plates, sash bars and purlins and 24x16 double thick glass, partly Belgian and partly American, will be used in the construction.

The horticultural exhibition on July 18 was fully up to the average and well attended; cut flowers, petunias, sweet peas and dahlias were all well done and shown to good advantage. A. H. L.

Chicago.

This week business is a trifle more active than last; there seems some revival of the shipping trade. While there is sufficient stock to meet demands there is really no surplus, and no flowers of salable quality go to waste. Roses improve a little; Testout, Kaiserin, Bridesmaid and Meteor are very fair, and average \$2; occasionally \$3 is asked for select stock. Beauties are 1.25 to 2 per dozen; short stemmed 3 to 6 per hundred. But there is no overstock of Beauties, and the demand keeps steady. Asters are in limited quantities; the white go readily at \$1 per hundred. Sweet peas are generally rather short stemmed, but Geo. Souster of Elgin is sending in very fine stock; extra good sells for 20 cents, but 10 cents is the usual figure. Carnations seem to be pretty good, and short outside stock does not appear in the market.

Kennicott Bros. Co. are making extensive alterations in their place, entirely rearranging counters, ice boxes and offices. The new arrangements will add very materially to the convenience of their establishment.

T. J. Corbrey is making alterations at his wholesale place, with a view to increasing his counter room.

W. W. Burdsall, Jr., the 11 year old son of W. W. Burdsall of 113 Dearborn avenue, was drowned while bathing in the Calumet River on Thursday last. He was accompanied by a younger boy when he got beyond his depth and it is supposed was attacked by cramp. The sad news was a terrible shock to Mr. and Mrs. Burdsall, who have suffered several previous bereavements. They have the deep sympathy of their many friends in the trade.

Vaughan's Seed Store are receiving first Harrisii bulbs of the season.

A. L. Vaughan has returned from a vacation trip to his home in Louisiana.

At the Florist Club meeting Thursday night the committee on transportation to Pittsburg reported that arrangements had been made with the Pennsylvania road. The party will travel on train leaving Union Depot at 3 p. m., Monday, August 19, reaching Pittsburg early the next morning, the opening day of the convention. Prospects are good for a full delegation from Chicago this year. Berths may be reserved in the special car now by addressing the chairman of the committee, Mr. G. L. Grant, 322 Dearborn street. In view of the fact that the next club meeting would come at a time when many will be at Pittsburg the secretary was instructed to call the next meeting for August 29, one week later than the regular time.

At the bowling meet there was time for only two games. The scores were as follows:

		Average
J. S. Wilson	182	183
G. L. Grant	185	195
Chas. Held	197	166
P. J. Hauswirth		177
A. McAdams	169	124
A. G. Prince	102	131
W. Palinsky	95	125

Visited Chicago: C. B. Whitnall and Supt. J. A. Pettigrew, Milwaukee, Wis.

BASE BALL.

The second game of the series of the Retail against the Wholesale Ball Club

was played on the 21st inst. at Riverside, and proved an interesting game as well as an enjoyable outing to members and their friends. Among the latter the ladies were largely in evidence. Their presence doubtless stimulated the boys to do their level best, and to their credit let it be said that they acquitted themselves nobly. It was by far the best game played, and the score running nearly even from start to finish kept interest up at the highest pitch. The retail boys particularly played in much improved style. With McGiven in the box they made things lively for the opposing side. Jimmy Curran behind the bat played his usual fine game, while Kyle at first, Hauswirth at second and Gus Balluff in the field did excellent work. The wholesale boys presented the same battery as in the first game, Winterson and Scott, the latter distinguishing himself by making the only home run hit of the game. Both teams batted well and the work of the infield of both nines was also very creditable. But the outfielding was rather ragged, and it is here that we find the weak spots that should if possible be strengthened in future contests. Of the numerous flies sent into the field but two were captured, one by John Zeck, the other by L. Coatsworth. The grounds were in most excellent shape. These are situated immediately in front of the residence of the late Mr. Chas. Reissig. The thanks of the clubs are due for the hospitable manner in which they and their lady friends were entertained by Mrs. Reissig, ably seconded by the Kyles, father and son (the latter are operating the greenhouse establishment of the late Mr. Reissig). Refreshments were served on the spacious lawns after the close of the game, the whole affair being thoroughly enjoyed by all present. Mrs. Reissig cordially extends an invitation to the boys for at least one more visit during the present season—and don't forget to bring the ladies.

Following is the make-up of the teams:

RETAIL.		WHOLESALE.
McGiven	P	E. Winterson
Jas. Curran	C	G. R. Scott
W. P. Kyle	1B	M. Cullen
P. J. Hauswirth	2B	C. Balluff
W. Kreitling	3B	L. Kelley
Stevens	SS	W. Lynch
G. Balluff	LF	John Zeck
A. Newett	CF	A. McKellar
Joe Curran	RF	L. Coatsworth
Umpires: Palmer, Weber.		
Score: Retail 16, Wholesale 17.		

San Francisco.

John H. Sievers is building a large chrysanthemum house at his big establishment on Chestnut street.

Henry Neuberger, the wholesale florist who has supplied the market with roses for many years, departed for his old home in Germany last week, accompanied by his wife. He has leased his establishment to Mr. Chippari, formerly of the firm of Podesta & Co., Sutter street.

The Sunset Seed and Plant Co. have added two new houses to their nursery at Menlo Park.

Business is rather dull now and the quality of stuff coming into the market is very poor. The florists, however, were very busy July 17 on account of the death of a prominent citizen. Sievers, Podesta and Pelicano had the bulk of the funeral work.

A. Hilbert has bought out Domenic & Co. of 307 Kearny street. He formerly owned a store on Geary street. Domenic & Co. will give their whole attention to their Sutter street store.

Mrs. C. Holbrow of 338 Post street has failed, making an assignment in favor of the Sunset Seed and Plant Co. The

largest creditors were that firm and M. Lynch. All the fixtures, etc. were sold at auction, but brought a nominal sum.

Frank Pelicano of 343 Kearny street and his party are on a camping excursion to Mt. Diablo, to be gone several weeks.

A camping party composed of Serveau Bros., M. Lynch and several others has gone to the Santa Cruz mountains for a short time.

Peter Connelly, late gardener to Edw. Barron at Mayfield, has opened up a retail store at 2190 Devisadero street. Mr. Connelly has had experience in that line before and we all wish him success.

Mr. Geo. S. Josselyn of Fredonia, N. Y., recently spent a few weeks in San Francisco.

Wm. F. Dreer passed through San Francisco on his way home from Japan.

Mr. August Kusche of Ross Valley, Cal., has been appointed inside foreman for M. Lynch at Menlo Park. Mr. Kusche is an experienced rose grower, having worked in many of the big rose growing establishments in the east. The first asters have made their appearance from this place and find a ready sale. Mr. Lynch is planting two new houses, lately erected, with Testout, Brides and Bridesmaid.

The first Harrisii have come to hand and already the growers are busily engaged potting, etc.

Mr. John H. Sievers read a very interesting paper on "Tuberous begonias" at the last meeting of the California State Floral Society. METEOR.

Pittsburg and Allegheny Hotels.

Below are given the names and locations of the hotels at which rates have been secured by the local committee for convention week, rate per day, number each can accommodate, and whether American or European plan.

The Chairman of the Hotel Committee is Mr. B. L. Elliott, 38 Fifth avenue, Pittsburg.

PITTSBURG.

Central Hotel, Smithfield street, between Second and Third avenues. American plan. One person in a room, \$2.50; two in a room, \$2 each. Can accommodate 200.

St. Charles Hotel, corner Wood street and Third avenue. American. \$2. Can accommodate 100. Hotel Willey, Sixth street near Penn. American. One person in a room, \$2; two in a room, \$1.75 each. Accommodate 100.

New Hotel, Fifth avenue. European. \$1 to \$2.50. Accommodate 20.

American House, 1002 Liberty street. American. \$1.50. 75 rooms.

Hotel Schlosser, corner Sixth street and Penn avenue. American. \$3. Accommodate 150 to 200.

Hotel Anderson, Sixth street. American. \$3, \$3.50, \$4, \$1.50 and \$5. Accommodate 50 to 100.

Monongahela House, First avenue and Smithfield street. American. \$3 and upwards. Accommodate 60 to 75.

Hotel Durr, corner Fourth avenue and Market street. American. \$1.50 and \$2. Accommodate 25.

Hotel Duquesne, Smithfield street. European. \$1.50 to \$5. 90 rooms.

Home Hotel, Duquesne Way. American. \$1.50. Accommodate 75.

Seventh Avenue Hotel, Seventh avenue. American. \$2.50 and \$3. Accommodate 100.

Hotel Boyer, Seventh and Duquesne Way. American. \$2. Accommodate 100.

Easteru Exchange Hotel, Penn avenue, East End. American. \$1.75. Accommodate 50 to 100.

ALLEGHENY.

Gerst's Hotel, East Diamond street. 50 cents to \$1.25. Accommodate 25.

Hotel Schreiber, 35 S. Diamond street. \$1.50. Accommodate 50.

Hotel Randall, 49 S. Diamond street. \$1.50. Accommodate 25.

Hotel Girard, 20 Federal street. \$1.50. Accommodate 45.

Hotel Willard, 187 Federal street. \$1.00. Accommodate 75.

Hotel Mahold, Federal and Robinson streets. \$1.50. Accommodate 25.

Hotel Sauers, 84 Federal street. European. 50 cents, 75 cents and \$1. Accommodate 40.

Hotel Wetzler, 31 E. Diamond street. \$1.25. Accommodate 15.

Chas. Schutte, 162 Lacock street. \$2.00. Accommodate 25.

Hotel Carson, 168 Lacock street. \$1.

Hotel Burdett, 2 Federal street. \$2.

Rochester, N. Y.

Demand for flowers in the past week was somewhat ahead of former weeks, but by no means could it be called brisk. Carnations are rather plentiful yet; those shipped from a distance are very tired and sleepy on arrival, but roses from Oil City, Pa., come in splendid shape and are the best in this market, those from other points being only of medium quality. There is an immense quantity of achillea The Pearl used here every day, it has to take the place of white carnations in funeral work, etc. The first asters made their appearance a few days ago and are very good, being the first or center bloom; how the lateral buds will come out remains to be seen, for we are still waiting for a good rain and everything is very dry, so that even our most troublesome summer weed, the portulacca, will not grow. The best sweet peas in town are homegrown, and outsiders do not compare favorably.

The sheriff levied upon the office furniture and books of A. D. Pratt, nurseryman, of Rochester upon a claim for \$18,586 in favor of Marion E. Stone.

Chas. Suhr is building a large rose house and J. Thomann a house for violets, besides doing other repairing and enlarging.

John Dobbertin, who conducts a small but paying florist business on St. Joseph street is building a fine residence on his grounds. J. B. K.

San Jose, Cal.

Chas. C. Mavlet has vacated his old store on North 1st street, and has moved to more commodious quarters across the street. He has a large store with four show windows each showing a separate department of his business, one is for cut flowers, another for seeds, another for birds, and one for bird cages, bird food, etc.

Miss M. B. Ridley has opened up a new retail store at 18 West San Fernando street, and seems to be doing very well.

Mr. G. A. Lehmann, who has been growing stuff for the San Jose market, recently erected two fine carnation houses. He intends planting Portia, Scott and McGowan. His ferns and other inside stuff is doing nicely. His place is at the corner of Stone avenue and Monterey Road, opposite Oak Hill Cemetery.

Mr. Edw. W. Parsons, late of Flushing, L. I., has been very sick lately but now is getting along nicely. He has a very fine range of glass on South 10th street where he grows roses, carnations, ferns, palms, etc. Wm. Nesbitt is in charge here. Lately they have been troubled greatly with the wire worm in their carnations.

At R. D. Fox's place carnations are the chief attraction. Mr. Frank Stark, who is in charge here, is a great admirer of Wm. Scott and is planting quite a lot of it.

Great preparations are being made here for the flower carnival to be held next spring. It is to be the grandest one ever held in California. METEOR.

Kentucky Society of Florists.

The first outing of the above society took place July 18, near St. Matthews, opposite Nanz & Neuner's establishment. A better place could not be wished for, and the weather was fine, though warm. Fully two hundred people were present. Football and base ball seemed to be the favorite games, and dancing was also indulged in. Messrs. Marrett and E. Reimers acted as stewards, and the refreshments furnished suited every taste.

The day passed off very happily, and everyone present enjoyed the feeling of friendly unity brought about by the formation of the society. It is likely that next year a larger and more elaborate excursion than the present one will be arranged.

Weather is fine here, only a little too much rain. Stock of all kinds is in fine condition; if trade had been a little better this year there would have been no complaints. H. N.

Newport, R. I.

The hardy yellow chrysanthemum Golden Fleece is just beginning to bloom in the garden borders and will be a sheet of bright yellow until October. This is one of the most satisfactory of garden plants and if it were more generally known would have an enormous sale. Mr. Johnston, formerly superintendent of parks at Paterson, N. J., is now in charge of Mr. Oden Golet's place. Among the things worth seeing here is a house of tuberous begonias, mostly seedlings. The hollyhock disease is beginning to make serious trouble in Newport.

The Reason Why.

Your sketch of the greenhouses of Messrs. Sloppy & Co. and Mr. Tasty brings to my mind a very old adage, that a thing worth doing is worth doing well or not at all. A short time since I visited just such a place as that of Messrs. Sloppy & Co., and was not surprised that business was not flourishing there. People will go to a neat, well kept place. Although it takes a little more time and attention it pays good interest. Coming back to the old adage, I would, with all due respect, impress it upon the minds of all who contemplate building new greenhouses that too often they are rushed together without much thought as to their lasting. I had a striking example of this not long ago; greenhouses that have not been built five years are plainly showing decay, with a tendency to fall down. That is Messrs. Sloppy's style of doing things.

My Mr. Tasty is a particular friend of mine in Oswego, Mr. Water Workman, the youngest florist there, who has just built himself a fine rose house 60x20, and his way of doing the work is well worth imitating. He made his plans early in the winter, had his lumber brought in, cut his wall plates and rafters, then gave all two coats of paint. His posts (cedar) were given a good coat of tar, and the butts dipped into the same; the siding on the inside was treated with a good coat of the black mixture, and I venture to say the house will be long lived. [Be cautious about using tar inside of the house.—Ed.] I had the pleasure of seeing it completed a week ago, and I must say that in my 35 years' experience I have never seen a better built house, and the glazing was perfection itself; one could not pass a visiting card through any of the laps. That my friend has well digested the old maxim must be evident. H. Y.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads not admitted under this head.

SITUATION WANTED—As head gardener. Competent, and fully qualified. Age 30. Apply ISIDOR NAJEN, Pawling, N. Y.

SITUATION WANTED—As foreman in rosegrowing and florists choice stock. Sober, and capable in any department. FLORIST, 1518 Cherry St., Phila.

SITUATION WANTED—As foreman, roses and florist stock; capable and reliable; experience in all departments. FLORIST, 16 High St., Natlek, Mass.

SITUATION WANTED—In commercial or private place; 8 years' experience in the florist business; age 26; German; married. Address E. G. care American Florist, Chicago.

SITUATION WANTED—By young lady. In florist's store; speaks English and German, 5 years' experience. Best of references. Address M. B. care American Florist, Chicago.

SITUATION WANTED—By two German ladies, speak English, age 32 and 18; well experienced in flower store; very tasteful workers. Address MRS. SCHABEL, P. O. Box 228, Hammond, Ind.

SITUATION WANTED—As florist or propagator, in growing roses, carnations, chrysanthemums, general stock, also palms, ferns; 20 years' experience; single. Address M. care American Florist.

SITUATION WANTED—As working foreman in commercial place, by competent man of 14 years' experience. \$15.00 per week to begin. Well recommended. Address WORKER, care Am. Florist.

SITUATION WANTED—As working foreman in a commercial place. First-class propagator, cut flower and plant grower; quick, sober and reliable; married, no children. Address, with full particulars, CHAS. A. MOSS, 174 Angier Ave., Atlanta, Ga.

WANTED—The address of Fritz Slewig, employed in New York. JAS. LABO, Joliet, Ill.

WANTED—500 feet of Hkehlings 4-inch pipe and fittings. I. L. PILLSBURY, Galesburg, Ill.

WANTED—2000 ft. 2-in. wrought pipe for hot water, new or second-hand. Also boiler for same. C. L. BRUNSON & Co., Paducah, Ky.

WANTED—Man to grow roses, carnations and general stock. State wages expected with board. JOHN E. CAREY, Mt. Clemens, Mich.

WANTED—A good second-hand steam boiler, capable to heat 500 feet of glass. Must be cheap. JANESVILLE, FLORAL CO., Janesville, Wis.

WANTED—Perles, Bridesmaids and La France, 1000 of each from 2 1/2-inch pots; must be good stock and cheap. Address R. R. care American Florist.

WANTED—A florist American preferred; married, no children. Helper furnished; \$5.00 per month and cottage; other privileges on application. Permanent place. Address S. W. A. care Am. Florist.

WANTED—By Sept. 1st, young man with some knowledge of greenhouse work, that wants to learn cut flower growing. A steady place and good home to a steady young man. Address ORIO BOY, care American Florist.

WANTED—Two thoroughly responsible salesmen, one living in Chicago and the other in Boston. Must be acquainted with wholesale and retail florist trade. Address with references. MERWOOD, care American Florist.

WANTED—Thoroughly first-class horticultural solicitor to solicit orders from amateurs. Liberal arrangements made with satisfactory man. Address, giving experience and references. J. WILKINSON ELLIOTT, Pittsburg, Pa.

FOR SALE—700 or 750 ft. 4-in. pipe in good condition, 8c per ft. Address X. care Am. Florist.

FOR SALE—An 8 horse power steam boiler, used for hot water; in good condition. Price \$75.00. I. L. PILLSBURY, Galesburg, Ill.

FOR SALE—100 feet Hitchlings heavy 4-inch pipe cheap. For price and particulars address THE FLORAL EXCHANGE, 614 Chestnut St., Phila.

FOR SALE—No. 7 1/2 Spence water heater, in perfect repair, at a bargain. Can add expansion tank, pipe, fittings, etc., if desired. Will burn anything. F. o. b. here. Address C. S. FITZSIMMONS, Lansing, Mich.

FOR SALE—Price \$0.00. A tubular boiler, new last fall; heated two houses 5x100; will heat four such houses. It is sound in every respect, and cheap at \$50. I will take in part payment greenhouse stock, ferns, palms, rubbers, or sash. A bargain for someone. Address WALTER BUTLER, Readville, Mass.

RARE CHANCE.

TO LET—Ten miles from Boston, close to railroad station, 3 greenhouses 100x20, large steam boiler, about 3 acres of land.

Apply to P. WELCH, No. 2 Beacon St., Boston, Mass.

POSITION WANTED.

Private or commercial. Thoroughly practical with orchids, stove and greenhouse plants, roses, carnations, violets, chrysanthemums, etc.; landscape work and floral decorations. Fully capable of managing all round place. 25 years' experience in private and commercial places. Single, English, steady and sober. A. care Am. Florist, 67 Broudfeld St., Boston.

FOR SALE.

1700 feet of 4 inch pipe, 8c. per foot, cash. One Foster boiler, 12 sections, will heat the above amount of pipe, cost \$260, will sell for \$100, cash.

WM. A. BOCK, North Cambridge, Mass.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, and dealers in wares pertaining to those lines ONLY. Please to remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE NORTH AMERICAN HORTICULTURIST is a new paper devoted to the fruit interests, and published at Monroe, Mich. It should find a good field in that fruit-growing region.

MUSHROOMS.—"Greenhorn" is advised that mushrooms will not be a successful crop if planted on a damp bottom. The time to plant spawn and how to cultivate it can be learned from the treatises advertised regularly in the FLORIST. See page 1290 of last issue.

THE DUTCHESS COUNTY Horticultural Society offers premiums amounting to over \$300 at their first annual chrysanthemum show to be held at Poughkeepsie, N. Y., November 6, 7, and 8. The schedule, recently issued, embraces roses, carnations, orchids, and other plants and flowers, in addition to chrysanthemums. W. G. Gomersall, secretary, Fishkill-on-Hudson, N. Y.

PEORIA, ILL.—The Park Board is considering plans for a conservatory to cost in the neighborhood of \$15,000.

PETERSBURG, COLO.—F. A. Haenselman has changed his location from South Denver to Petersburg.

KANSAS CITY, MO.—The park board has decided on three new parks, which will be paid for by special assessments covering a term of fifteen years.

NEW LONDON, CONN.—Trade is good; prices have reached the bottom in everything in the plant line. There is an unceasing demand for geraniums, especially pink shades, small palms, and boxes of plants for veranda or window decoration.

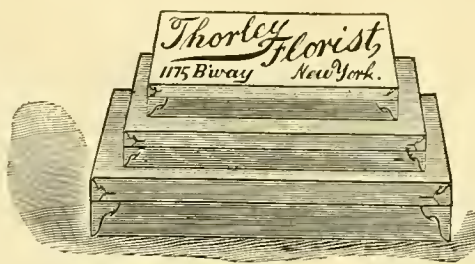
SPRINGFIELD, ILL.—The big dome from the horticultural building at the World's Fair, which was purchased by the Illinois State Board of Agriculture, arrived last Friday on two trains of 20 cars each. The dome will be used in the construction of the administration building on the new state fair grounds.

Prepare Advs. Now

FOR OUR

**CONVENTION
NUMBER,**

TO BE ISSUED

August 17.

The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,NEW YORK SALESROOM:
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.

**Hardy Cut Ferns,
BOUQUET GREEN,**

Laurel and Green Festooning, Wreaths, Etc.
SPHAGNUM MOSS IN ANY QUANTITY.

H. E. HARTFORD, 18 Chapman Place, BOSTON.

**ELLIS & POLLWORTH,
Milwaukee, Wis.
BULBS.**

Send for price list. . . .

HARRISII NOW READY.

NOTICE

— OF —

Stockholders' Meeting.

CHICAGO, July 18, 1895.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in Parlor B, Hotel Anderson, Pittsburg, Pa., Wednesday, August 21 1895, at 2 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
G. L. GRANT, Sec'y.**DAN'L B. LONG,
WHOLESALE CUT FLOWERS,**

495 Washington St., BUFFALO, N. Y.

SHIPPING ORDERS CAREFULLY ATTENDED TO.

OTHER SPECIALTIES:

Florists' Supplies, Wire Designs, Bulbs,
Long's Florists' Photographs.
Catalogues, Lists, Terms, etc., on application.

**W. ELLISON,
WHOLESALE
Cut Flowers and Florists' Supplies
WIRE DESIGNS.
1402 PINE STREET,
St. Louis, Mo.
Mention American Florist.****C. A. KUEHN,
(Successor to ELLISON & KUEHN.)****Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.**

Foreign Notes.

Chrysanthemums grafted on dahlia roots have been found more vigorous by some French growers.

Vivian-Morel, director of the journal *Lyon Horticole*, has been appointed an officer of the Merite Agricole.

"The National"

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Valley.....	2.00@4.00
Sweet peas, per 100 bunches.....	.50
Anrathum lilies.....	3.00@6.00
Gladolus.....	50@2.00
Smilax.....	10.00@15.00
Adiantum.....	.75@1.00
Asparagus.....	50.00
BOSTON, July 23.	
Roses, general list.....	1.00@4.00
" Beauty.....	5.00@25.00
Carnations.....	.25@.50
" extra.....	.75@1.50
Asters.....	1.00
Valley.....	2.00@4.00
Sweet peas.....	.00@.15
Adiantum.....	.75@1.00
Smilax.....	12.00@15.00
Asparagus.....	50.00
PHILADELPHIA July 23.	
Roses.....	1.00@4.00
" Beauties.....	15.00
Carnations.....	.25@1.00
" short outdoor white.....	.50@1.50
Asparagus.....	35.00@50.00
Valley.....	3.00
Cattleyas.....	25.00@35.00
Sweet peas.....	.25
Smilax.....	15.00@25.00

CHICAGO, July 26.	
Roses, Beauties long.....	15.00
" short medium.....	6.00@8.00
" large teas.....	2.00
" select.....	3.00
Carnations.....	.50@1.00
Anrathum lilies.....	8.00
Coreopsis ox-eye daisies.....	.15@.25
Galliardias.....	.35
Sweet peas.....	.10@.20
Smilax.....	8.00@10.00

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THERE IS NOW little doubt that the French crop of white Roman hyacinths is a short one and quality only fair.

HORTICULTURE will be one of the 24 divisions of the Berlin Industrial Exposition to be held at the German capital May to October, 1896.

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Lenox, Mass., for Mr. John Sloane, a range of five houses.

Llewellyn Park, N. J., for Mr. Barr, carnation and chrysanthemum house, Thos. W. Weathered's Sons builders.

Rockville, Conn., E. & H. Schmeiske, 4,500 square feet of commercial houses.

Do You Know Him?

When summer brings his roses out,
And eke the prices down,
He sulphurs mildew with a scowl
And waters with a frown.
And when the winter price goes up
On roses and on coal,
You'd think that every bill he pays
Would cost his erring soul.

His thoughts on elevating trade
Are hardly more consoling;
He says with scorn the Pittsburg meet
Is only bosh and bowling.
If e'er he views in heavenly fields
Immortal asphodel
He'll only wonder why they grow
Such flowers, which wouldn't sell.
—From Echoes of the Potting Shed.

The Last Straw.

He made up floral bicycles
And harps with purple strings;
Big models of the Eiffel tower
And Saturn with his rings
But when one day a blooming maid
In flush of mournful pride
Came in and ordered a railroad collision, with
a model of the wreck in carnations, and an
ambulance in the distance
He

Laid
Him
Down
And died.

Wages Again.

In the FLORIST of July 6 a correspondent signing himself "Subscriber A" wants light on the subject of wages. What he evidently wants to know is what a good florist ought to be worth. There are two opinions on the subject, viz: The employer's and the employee's. The former generally thinks that about \$20 per month and board with permission to sleep in the potting shed so as to be handy if wanted during the night, is sufficient. The latter thinks that after he has spent five years and upwards in learning his business he ought to be worth as much as any other good tradesmen, but having no union or means of enforcing his demands he has to be satisfied with what he can get, which hardly ever will compare favorably with the common laborer of the district. It is a well known fact that while a good florist or gardener must have the knowledge of a B. A. he must not expect more wages than a hod carrier.
COLORADO SPRINGS.

"ARE you doing much gardening, Miss Struck-oye?" "No, not much. You see, I have not yet got the proper stockings for such work." "Got what?" "The proper stockings—the rubber garden hose I see advertised in the papers."—*Tammany Times.*

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Used by the leading growers all over the world. Unsurpassed for ROSES, CHRYSANTHEMUMS, and all horticultural purposes. Genuine only. In sealed bags, with makers trade mark. For sale in the U. S. by the undersigned, in 100 lb. bags at \$6.00 per bag, f. o. b. Phila.

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Japan Longifloras, Spirea astilboidea floribunda, Callas, Frezias, Hyacinths, Tulips, Narcissus, Lily of the Valley, Azaleas, Rhododendrons and all forcing stock at low rates, and delivered on time if orders are placed now. Price list on application. Early orders respectfully solicited.

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Having a limited quantity this year to spare of

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I offer it to the trade at \$1.50 per hundred Seeds, to be delivered on and after July 15th, 1895. All fresh and good seed. Cash with all orders. No agents. Address

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Mr. George Bennett—

DEAR SIR:—It affords me great pleasure to endorse your Mignonette as the best I have seen; the pinch of seed given me last year surpassed any I have grown, and I say as a money maker it has no equal. Book my order for 12 packages. Yours truly,
ALEX. S. BURNS, Woodside, L. I.
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Fresh and Reliable.
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Not less than 50 seeds sold of any sort.

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Fine new seed of my unrivalled strain, just harvested. \$3.00 per ounce, 25c. per packet.
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The finest Rose introduced since "THE BRIDE." To give all a chance of testing the value of this GRAND NOVELTY I have prepared a nice lot of extra strong 3-inch plants, at \$7.50 per dozen.

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from 2 1/2-inch pots, 10 to 12 inches high, ready to pot into 4s, \$3.50 per 100; \$30.00 per 1000.

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ROSES, from 3-inch pots.
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The best marketing variety ever introduced; comes into bloom early in March; no collection complete without it. Send for circular. Price, extra strong plants from 2-inch pots, \$1.50 per doz., \$8.50 per 100.
GERANIA Obba, from 2 1/2-in. pots, \$9 per 100.
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What does?
GRAPE DUST.
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TO BE ISSUED
AUGUST 17.

New Orleans.

The tenth anniversary of the New Orleans Horticultural Society was pleasantly celebrated July 18 after the following officers for the ensuing year were elected:

President, Edward Baker; vice-president, Louis Sieber; treasurer, John Eblen; secretary, Paul Abele.

The members repaired to the restaurant of Joseph De Simone, where a fine repast had been spread. The banquet room was beautifully decorated with flowers and ferns. A vote of thanks was extended Messrs. C. R. Panter, John Eblen and Louis Sieber, who had charge of the arrangements, and Messrs. H. Papworth, Daniel Newsham and C. R. Panter, who attended to the decorations.

Speeches were made by Messrs. Edward Baker, president of the society, Louis Sieber, vice-president; Senator Anthony Sambla, honorary president of the Gardeners' Protective Association; John Parr, financial secretary of the Gardeners' Association; Anthony Klees, grand marshal of the gardeners; Eugene Ratelle, honorary member of the Horticultural Society; Messrs. C. W. Eichling, Wm. Nelson, U. J. Virgin and others.

Portland, Me.

The botanists of Maine held an enthusiastic convention in this city July 12-13, and organized as a permanent association under the title of the Josselyn Botanical Society. A number of interesting papers were read and discussed and several exploring trips were made to points of interest in this vicinity. Officers were elected as follows: President, Prof. A. L. Lane, Waterville; vice-presidents, Prof. L. A. Lee, Brunswick, Mrs. H. C. Beedy, Farmington, Miss Mary A. Clark, Ellsworth, Mrs. E. L. Rand, Cambridge, Mass.; secretary, M. L. Fernald, Cambridge, Mass.; treasurer, Miss E. M. Cram, Portland.

Philadelphia Notes.

Dahlias are certainly coming forward. Some were in bloom on Decoration Day—pretty early. Nymphaea out on July 1, and it is a very good one, too. Within a few miles of Philadelphia may be seen a patch of six acres of dahlias; another one of four; another of three. We doubt whether they are grown so extensively anywhere else in the United States.

The white canna is here—true not so white as this paper, but very close to it. It was raised by Antoine Winzer, of West Grove, Pa. It will probably be shown at the convention if in bloom.

A. B.

E. G. HILL & CO.,
Wholesale Florists
RICHMOND, INDIANA.
ADIANTUMS.

Fine plants, strong crowns, 3-in. \$8 00 per 100; 3½-in. \$10 per 100; 4-in. \$12 per 100; 5-in. \$18 per 100.

A few specimen *Latantias* and *Pandanus*. Prices on application.

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ROSES, from 2½ and 3-inch pots, \$1.00 and \$6.00 per 100.

Sunset, Bridesmaid, Mermet, Wootton, Bride, The Queen, Souv. d'un Ami, Perle, Albany, White and Pink La France, Meteor, Niphetos, M. Niel, Mme. Hoste, Watteville, and Pierre Guillot.

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Roses

From 2½-inch pots. Per 100 Per 1000

Bride, Mermet, White La France . \$3.00 \$25.00

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Maman Cochet, Bridesmaid 4.00 35.00

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including La France, Papa Gontiers, Mermets, Brides, Bridesmaids, Perles, etc. from 3½-in. pots, at \$5 per 100.

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FINE FERNS,

Peris, Adiantum, etc., at \$3.00 per 100.

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New Double Petunias

We will have 20,000 of the finest double fringed Petunias you ever saw, about 1st of October.

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300 stocky plants, 2¼-inch pots, \$2.00 per 100; \$5.00 for the lot.

ROSES in 4 inch pots, \$6.00 per 100.

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1200 Almost Given Away 1200

ROSES in 2½ and 3-inch pots, in the best varieties for forcing; every plant first-class. Will sell very low for cash.

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Choice varieties for planting, \$2.50 and \$3.00 per hundred.

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TO CLEAN OUT BELOW COST OF PRODUCTION.

Cape Jessamine, very fine, 2½-inch 5c
Ampelopsis Veltchli, 2½-inch, 3 to 4 feet long 2c
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All the above are unusually large and fine.

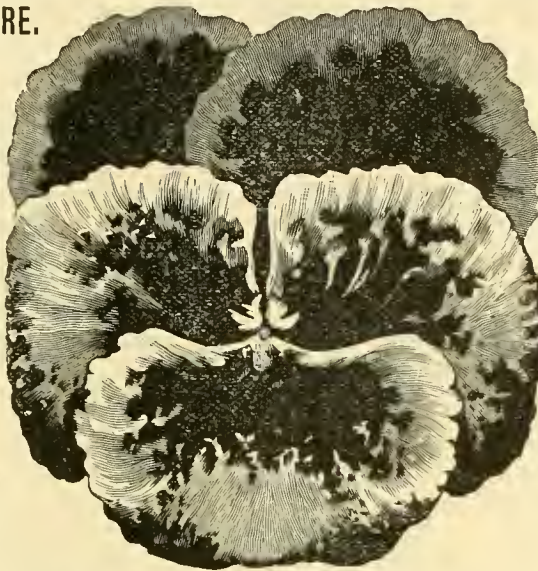
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This mixture has been made up and sold by us for the past five years from the best strains known in Europe and America. We have in our files testimonials from leading florists in almost all the leading cities in the U. S. saying in effect "the best we ever had." Now if you would like to be convinced of this, drop us a line and we will send you the names of good men near you who will certify that VAUGHAN'S INTERNATIONAL MIXTURE has proven with them to be the best, most complete all round high class Pansy Mixture they have ever grown. Our four page price list of these and other seeds, mailed on request. The new crop seed is now arriving and can be sent at once, but after July 20th or August 1st our assortment of strictly NEW CROP SEED will be most complete. Trade pkt. 50c; 1/2 oz. \$1.50; oz. \$10.00.

- CINERARIA. Columbian, mixed, pkt. 1000 seeds, 50c.
- CYCLAMEN. Giant varieties, 60 seeds, 50c.
- PRIMULA. Vaughan's International, per pkt. 250 seeds, 50c; 1000 seeds, \$1.25; 1-16 oz. \$2.00.



GIANT MIXTURE.

For those who desire the largest flowers only, and are willing to accept a somewhat less variety in the way of coloring, our GIANT MIXTURE has been especially put up. It contains only the largest flowers and during the last two years we have greatly increased the number of sorts. See list below. Prices for Giant Pansy Mixture, trade pkt. 50c; 1/2 oz. \$1.50; 1 oz. \$5.00.

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The flowers of this strain are as large as the Trimardeau and far superior in color and in substance of petals; having a stout and stiff flower stem, the flowers last longer and the plants are more compact. Oz. \$3.00; 1/2 oz. \$1.40; 1/4 oz. 75c; trade pkt. 25c.

- PREMIUM PANSIES, Mixed. Pkt. 25c; 1/2 oz. \$1.00; 1/4 oz. \$1.25; oz. \$6.00.
- CHICAGO PARKS. Oz. \$1.00; 1/2 oz. 50c; pkt. 10c. 4 oz. \$3.00.

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Our Pansy Seeds have been personally examined in Germany. Write for pamphlet about "LYSOL" the Ideal Insecticide.

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are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packages of 500 seeds, at \$1.00.

And **THE GIANT MARKET**, 2000 seeds, for \$1.00 also.

PLANTS FOR SALE AFTER AUGUST 1ST.

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Good little plants that are cheap at 75c per 100; \$5.00 per 1000, because the strain is right up to the top notch of perfection. Don't make the mistake of not trying them. Circular mailed on application.

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THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$5.00; pkt., 2500 seeds, \$1.00.

- The Jennings X X strain, \$8 per ounce; pkt. \$1.00.
- Victoria, bright red..... pkt. 1.00.
- Pure white..... pkt. 1.00.
- Finest yellow..... pkt. 1.10.
- Dr. Faust, black..... pkt. 1.10.
- Dark Blue..... pkt. .50.

The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.

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Pansies Worth Raising.

NEW CROP SEED, JUNE, 1895.

1/2 ounce, about 2500 seeds, \$1.00.

August and September, 1894, as good as the above for this year's sowing, 1/2 ounce, \$2.50, or 1 ounce \$4.00.

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Roemer's Superb Prize Pansies.

The finest strain of Pansies in the World.

Introducer and Grower of all the leading Novelties.

Catalogue free on application.

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EXTRA PANSY SEED.

MAMMOTH SUNBEAM STRAIN.

A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00. A pkt. of 500 seeds of the new, peculiar and amazing Monkey Face Pansy added to every \$1.00 order.

JOHN F. RUPP, Shiremanstown, Pa. Mention American Florist



H. Wrede,

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PANSY SEEDS.

124 First Prizes, the highest award.

4 Medals, World's Fair.

1000 seeds, finest mixed 25c

Price List on application. Cash with order.

A Wrinkle for Mushroom Growers.

The following extract from a letter just received from the largest mushroom grower in England will be of interest to those who intend to grow this crop the coming season:

"Advise growers to break the mushroom spawn into the size of pieces they intend to use and to put on the bed on the spot they intend for its final insertion two or three days before the bed is quite ready to spawn. This softens the spawn and it becomes accustomed to what it is going to live in.

"I would also recommend growers to get a few lengths of corrugated iron and lay on bearers about 4 to 6 inches clear of the bed. Try only a few lengths at first as an experiment, and if successful, as it is here in England, they will extend its use. This, of course, applies only to indoor culture."

In this connection it may not be out of place to remind growers that the early plantings have been the most profitable in the past. Most of the larger growers have their first beds ready for spawning by the first or second week in September.

G. C. W.

Mr. Isaac's Imported Cactus.

From the San Francisco Chronicle.

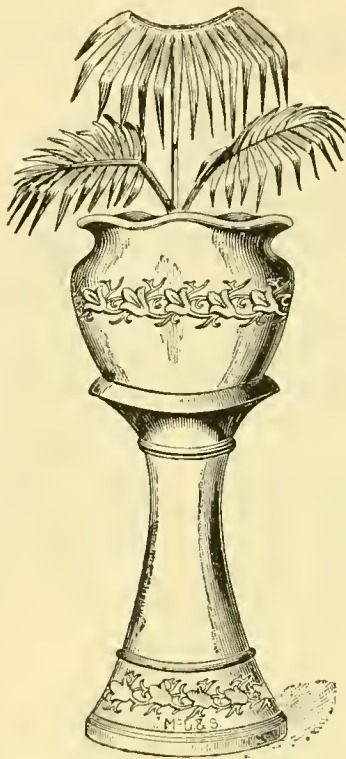
That ardent student of floriculture, Col. Alfred Isaacs, is not so passionately absorbed in the flora of foreign lands as he used to be. The poppy and the pallid pelargonium are good enough for him, he says. Mr. Isaacs is a government collector in the office at the foot of Main street. Along the top of his desk sits a row of alligator pears and some sweet potatoes booming in bottles of water. The other day this display was increased by the arrival of a queer looking plant in an earthen flower pot. A note attached to the plant described it as a Hawaiian cactus, and very rare.

"Those fellows at the Oceanic dock are getting good in their old age," remarked Mr. Isaacs as he poured a cup of water on the cactus and placed it in the warm sunlight.

In size and shape the Hawaiian cactus resembled a penholder covered with a thin grayish white foliage. The upper end of the plant was tied to a stick inserted in the soil of the pot. Taken as a whole the cactus was not a promising object, but Mr. Isaacs attended to it with loving care. Twice a day he watered it, according to instructions, yet the cactus did not appear to thrive.

"It must be the climate," said Mr. Isaacs. But the hot weather of the past two days aroused the latent energies of the Hawaiian specimen to a remarkable extent. It began to shed a fragrance round about that made Mr. Isaacs sick and drove sea captains out of the office. The aroma of that imported cactus was simply asphyxiating, so much so that the sagacious collector said:

"I am beginning to smell a rat."
Mr. Isaacs was right. He pulled the cactus up by the roots and exposed a rat, which should have been buried deeper or thrown overboard two weeks ago, and now Mr. Isaacs is trying to find out who palmed off a rat's tail as a Hawaiian cactus.



Plant Pots and Pedestals.

We invite the attention of intending buyers or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese plant pots or jardinières, selected by our buyers at the places of production the present season.

They include all sizes and shapes up to the large and very large; from the lowest price up to \$150 each. Some very costly old blue Canton China.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

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NATURAL GAS MADE GLASS,
FOR ROSE HOUSES, CONSERVATORIES, ETC., ETC.



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FOR WATER, AIR, STEAM, ACID, OILS, LIQUORS, GAS, SUCTION,
And for any and every purpose for which a hose can be applied.

Sizes, 1/8-inch to 42 inches diameter. The making, vending or use of any Serviceable Armored Wire Bound Hose not of our manufacture is an infringement on one or more of our Patents. The rights secured to us render each individual dealer or user responsible for such unlawful use with all the consequences thereof. For prices and discounts address **WATERBURY RUBBER CO.,** Sole Mfrs and Owners of all the *Sphincter Grip Armored Hose Patents*, 49 Warren Street, New York.
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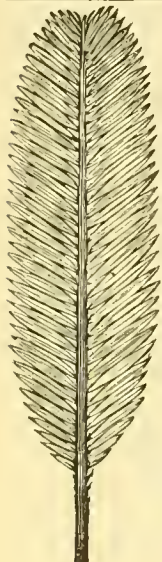
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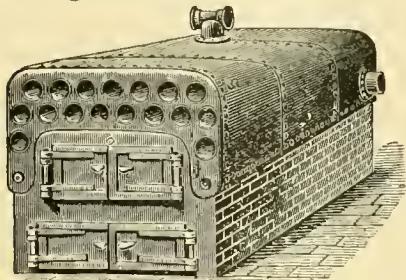
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Is unreliable because it depends upon the elements for its power; hydraulic rams also depend upon favorable conditions and waste as much water as they secure. Steam pumps require skill and hand pumps demand labor and time. The

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are especially designed for pumping water, and from shallow streams or any kind of well. They are simple, safe and reliable, require no steam and have no valves. They require very little heat to operate them, and can be arranged for any kind of fuel.

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GLASS

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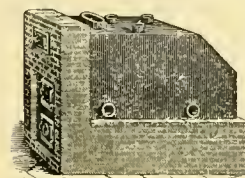
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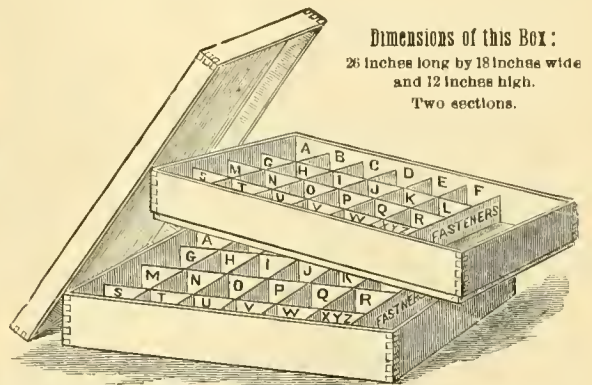
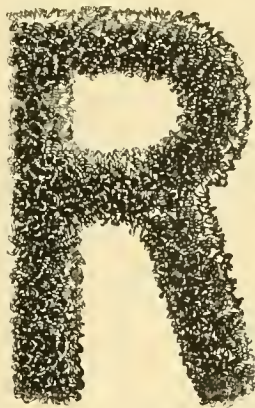
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Two sections.

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OUR NEW SCRIPT LETTER, \$4.00 per 100.

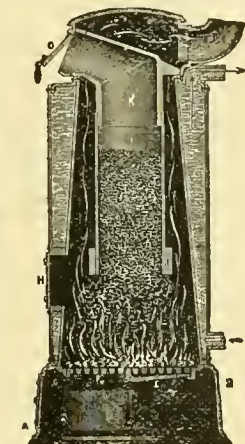
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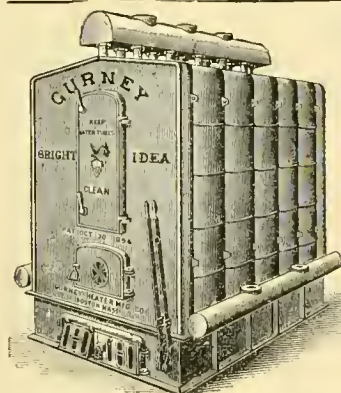
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BOSTON, MASS.

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When writing to any of the advertisers on this page please mention the American Florist.

News Notes.

BOWIE, TEX.—The Texas State Horticultural Society meets here July 31.

WABASH, IND.—E. F. Overman is building quite an extensive addition to his greenhouse.

GERMANTOWN, PA.—Walter R. Cliffe, who has been seriously ill, is again able to attend to business.

STEVENSVILLE, MONT.—The State Horticultural Society will hold its annual meeting here September 19 and 20.

SALT LAKE CITY, UTAH.—Prof. C. F. Piau of the Kensington Greenhouses has recently finished a greenhouse 20x50 adjoining his residence. Evans is building two houses each 18x100. The LaFayette Floral establishment is for sale. Weather is usually cool, frost in some places on the 6th inst. Stuff outside is coming in slow. Business quiet.

PORTLAND, ORE.—The gate receipts at the recent rose show of the floral section of the Oregon State Horticultural Society were sufficient to cover all premiums and other expenses. This is the first exhibition of the sort that has paid expenses. The society feels greatly encouraged, and has commenced work on the arrangements for a chrysanthemum show the coming fall.

HOUSTON, TEXAS.—The ladies of the Faith Home are at work on arrangements for the annual chrysanthemum show this fall. It is intended to endeavor to secure exhibits from all over the State instead of from local growers only, and make the affair a state event. It is also expected that there will be exhibitors of cut flowers from distant states. The amounts for premiums will be considerably increased this year.

KANSAS CITY, MO.—A neighbor of florist John Schneider complained of the smoke from his chimneys and going into court obtained a temporary restraining order to shut off the smoke. The case was argued at length before Judge Dobson upon a motion to dissolve the injunction. The judge mopped his brow and cogitated. He was not able to come to a conclusion as to the merits of the case. He did come to the conclusion, however, that there was no great haste about the matter, as it does not take much steam to run a greenhouse just now, so he said he would appoint some experts to look into the matter, and render a decision next October.

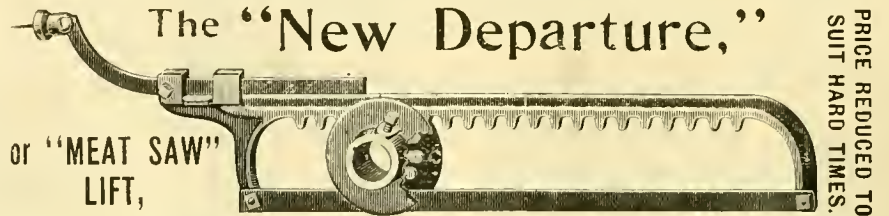


New Catalogue (No. 4) containing over 1000 Ornamental Cuts for Florists' use, such as envelopes, letter-heads, bill-heads, cards, advs., floral designs, etc., at from 30c. and upward. Price of Catalogue 25c. (deducted from \$1.00 order).

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Address J. D. CARMODY, Evansville, Ind.

If you grow

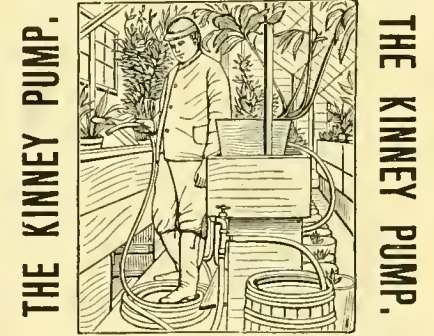
Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

Albert's Horticultural Manure,

you are missing a mighty good thing.

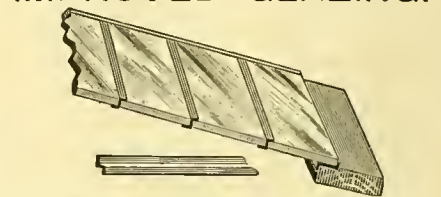
It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2 1/2, and 5 pound tins for retail purposes. Write for trade prices and pamphlet.

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Every florist, market gardener, owner of lawn, grass plat or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address HOSE CONNECTION CO., Kingston, Rhode Island. Only 29 Kingatons in the U. S. Get the state straight. "They are a good thing." "A very valuable labor saving device."—W. N. RUDD, Sec'y Mt. Greenwood Cemetery Assn., Ill. "The most valuable labor saving invention I ever used."—C. E. WELD, Roslindale, Mass.

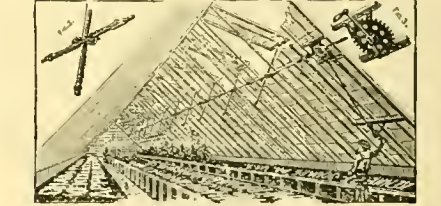
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Efficient, Easily Operated, Economical. YOUR INTERESTS DEMAND AN INVESTIGATION. Our circular is free for the asking. AMERICAN ROAD MACHINE CO., Kennett Square, Pa. Mention American Florist.

GEO. H. CHANDLEE, H. C. CHANDLEE.

PATENTS

Trade-Marks, Caveats, Etc. CHANDLEE & CHANDLEE, Patents and Patent Causes. ELECTRICAL AND MECHANICAL EXPERTS. Polack Building, YORK, PA. Atlantic Building, WASHINGTON, D. C.

You will benefit the American Florist by mentioning it every time you write an advertiser in these columns.

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Manufacturers of

• CYPRESS •

Greenhouse Material,

LOUISVILLE, KY.

TOBACCO Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. DUST. Extra fine, per 100 lbs. \$5. Sample FREE.

Vaughan's Seed Store, Box 688, Chicago. Mention American Florist.

.....THE ANNUAL
CONVENTION NUMBER

— OF —

The
American
A
WEEKLY
JOURNAL
Florist
FOR THE TRADE

Will be issued **AUGUST 17, 1895.**

In addition to other specially attractive features it will contain an accurate *CHART OF COLORS*, comprising 36 of the most important shades, prepared for the FLORIST by F. Schuyler Mathews. The color chart will be a permanent part of the paper as readers will be advised of the necessity of keeping it in the paper away from the light except when in use.

The expense of this chart has been very heavy, but it will lend to the issue, of which it will be a part, a very greatly increased value as an advertising medium, as it will be frequently referred to. Still there will be

NO INCREASE IN ADV. RATES,

which will be as heretofore:

FULL PAGE.....	\$42.00.
HALF PAGE.....	21.00.
QUARTER PAGE.....	10.50.
PER INCH.....	1.40.

Subject to time discount to those having term contracts with us.

Send advs. **early** so we may have abundant time to get them up in our best style.

The Convention Number will reach every Trade Buyer in the United States and Canada, and extra copies will be distributed at the Convention.

AMERICAN FLORIST COMPANY,

P. O. Drawer 164.

CHICAGO.

News Notes.

PROPHETSTOWN, ILL.—W. W. & C. W. Noyes are about to complete their greenhouse here.

WESTERLY, R. I.—S. J. Reuter is making extensive alterations and additions to his range of houses.

HOLMESBURG, PHILA., PA.—R. M. Eisenhart is about to build three new houses 40x100, on Bristol pike.

ROXBOROUGH, PA.—Wm. Christ has leased the greenhouses of P. D. Pfisterer and will make roses his specialty.

MARINETTE, WIS.—The city council has instructed the committee on public grounds to make quite a number of improvements in the city park.

UTICA, N. Y.—F. E. Shaw has purchased the greenhouses at 320-328 Sunset avenue belonging to the estate of the late Samuel Davies and will continue the general florist business there.

PEACE DALE, R. I.—W. M. Edwards, formerly secretary of the Berkshire County Gardeners' and Florists' Club, Mass., has taken charge of Oakwoods, Mr. Rowland Hazard's beautiful estate here.

LANCASTER, PA.—Spring business was very satisfactory here. Julius P. Siebold has added a new violet house 10x80. Peter Brown is adding two new houses. Stock of all kinds is reported in excellent condition.

JERSEY CITY, N. J.—The bonds for the Essex County park system, which will cost \$2,500,000, will be issued at 3.65 per cent. interest. It is thought the first issue of \$750,000 can be floated for par at that rate.

SPRINGFIELD, MASS.—The annual sweet pea exhibition of the Hampden County Horticultural Society has been postponed from July 23-24 to July 30-31. The change was necessitated by the recent heavy rains which damaged the flowers.

ATLANTA, GA.—There will be no department of horticulture at the Cotton States and International Exposition. The Forestry building will have a handsome exhibit of all things pertaining to forestry, but there will be no special exhibit of horticulture.

DANVERS, ILL.—L. Wellenreiter and H. C. Schweimann have formed a partnership here, under the firm name of Wellenreiter & Co. They are building one house 20x50, ¾ span, for roses, and another 8x50 for violets. Carnations look very well in this neighborhood.

NEW ROCHELLE, N. Y.—During the storm Saturday evening, July 13, the cupola tower of the large barn at Rose Hill Nurseries was struck by lightning, slightly damaging it. Mr. Siebrecht had a narrow escape, as he had just driven in when the crash came. The zinc capping on the corners over the slate seemed to act as non-conductors and carried the electric current off to a neighboring house, where it spent itself.

**CATALOGUE PRINTING.
ELECTROTYPING.**
Done with expert ability for Florists, Nurserymen, Seedsmen. Write to
J. Horeca McFarland Co.
HARRISBURG, PA



Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

LOCKLAND LUMBER CO.
LOCKLAND, O.

THE ORIGINATORS OF THE STANDARD FLOWER POTS.

Our capacity now is **12,000,000**

STANDARD FLOWER POTS PER YEAR.

A Full line of Bulb Pans.

Send for Price List. **The Whilldin Pottery Company,**
713 to 719 Wharton Street, PHILADELPHIA, PA.
BRANCH WAREHOUSES: Kansas Ave. and Union St., Jersey City, N. J.
Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.

We desire to announce the dissolution of the firm of Sipple Dopffel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Dopffel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.

Send for price list and samples and we know you will give us an order.
SYRACUSE POTTERY CO., OFFICE:
403 North Salina Street, SYRACUSE, N. Y.

**STANDARD FLOWER POTS.
FERN PANS AND PALM POTS.**

Old Reliable make of ELVERSON, SHERWOOD & BARKER.
Write for Price List. Address
PITTSBURGH CLAY MFG. CO., New Brighton, Pa.



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OUR POTS ARE OF THE BEST QUALITY.
We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.

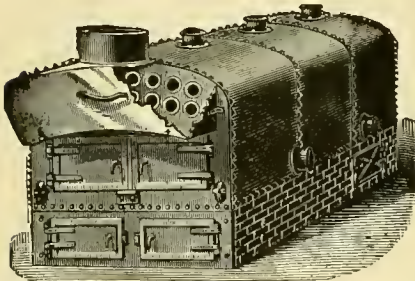
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CAMBRIDGE TILE MFG. CO., Covington, Ky.

**Prepare Advs. NOW
FOR OUR
Convention Number**
TO BE ISSUED
AUGUST 17.

FLOWER POTS.
We Manufacture all kinds of Flower Pots, etc.
Making a Specialty of
Florist Standard Pots
Send for price list and samples (which will be sent free), and we know you will give us your order.
J. G. SWANN'S SONS, P. O. Box 78,
Minneapolis, Minn.
Mention American Florist.

CYPRESS
GREENHOUSE MATERIAL OF ANY DESCRIPTION
JOHN C. MONINGER CO.
297 TO 307 HAWTHORNE AV. CHICAGO, ILL.

Kroeschell Bros. Co.
IMPROVED
Greenhouse : Boiler,
41 to 55 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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BEST IN USE
FOR GREENHOUSES, LARGE and SMALL.
All Steel. No Coils or Cast Iron Sections.
SEND FOR CATALOGUES.
WILKS MFG. CO., 123 S. CLINTON STREET, CHICAGO, ILL.

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Price postpaid 75 CENTS.
Address American Florist Co. CHICAGO.
Showing the appearance of the Binder when quite full of
THE American Florist.
Every subscriber should have one.
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Greenhouse Pipe and Fittings.



Large quantities of our Pipe are in use in Greenhouses throughout the West, to any of which we refer as to its excellent quality.
Pipe can be easily put together by any one, very little instruction being needed.

GET THE BEST.

Hot-Water Heating, in its Economy and Superiority, will repay in a few seasons its cost.
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L. WOLFF MFG. CO., 93 to 117 W. Lake Street, CHICAGO.
WRITE FOR ILLUSTRATED CIRCULAR.

H. M. HOOKER COMPANY,
57 and 59 W. Randolph Street, CHICAGO.
NATURAL GAS MADE GLASS,
FOR GREENHOUSES.

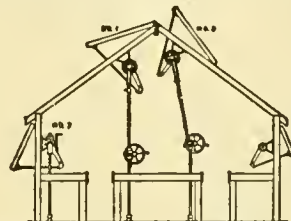
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POPULAR STANDARD VENTILATING MACHINE

The florist's friend in working and prices.



No repairs for 5 years no chains to break as is the result with others.

Opens Sash uniform in 100 foot houses A new device.

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INCORPORATED.
Horticultural Architects and Hot Water Engineers
Send for Catalogue, enclosing 4 cents in stamps.
139, 141, 143 Center St., NEW YORK.

California Red Cedar NEVER DECAYS.
A. DIETSCH & CO., 619 Sheffield Avenue,
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EVANS' IMPROVED Challenge Ventilating Apparatus
Write for Illustrated Catalogue.
QUAKER CITY MACHINE WORKS, Richmond, Ind.

MAIL LOCK THE DOOR BEFORE THE HORSE IS STOLEN DO IT NOW.
JOHN G. ESLER, Sec'y, F. H. A., Saddle River, N. J

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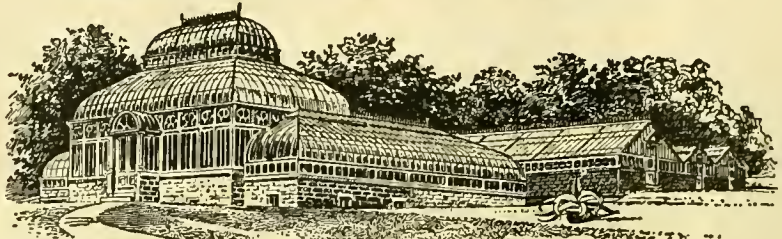
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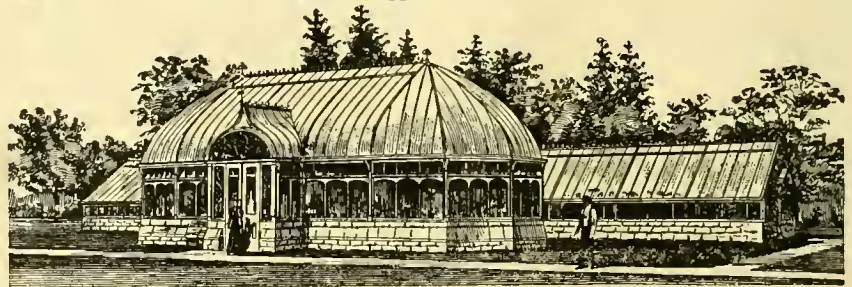
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STEAM AND HOT WATER ENGINEERS.

Plans and estimates furnished on application.



Largest builders of Greenhouse Structures. Six highest Awards at World's Fair.

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LORD & BURNHAM CO., Architectural Office, 160 Fifth Ave., New York City. COR. TWENTY-FIRST ST., FACTORY: IRVINGTON-ON-HUDSON, N. Y.

Red Spider Can't Live

WHERE THIS NOZZLE IS USED.



CHILD'S RAIN MAKER

Throws a powerful spray at such an angle that spraying the underside of the foliage is no effort at all. It is simplicity itself but "gets there" every time. It is well made of polished brass and will last a lifetime.

RICHMOND, IND., April 10, 1895.

MR. P. M. CHILLD,

Dear Sir:—The nozzles to hand sometime ago, we are so much pleased with the way they work that we are glad to write you saying that they are more than satisfactory. They are just what is wanted for greenhouse work, as they enable us to reach the underside of the foliage with perfect ease, and with the full force of the water.

Sorry we did not have them sooner.
Yours truly,
E. G. HILL & CO.

Price, \$1.00 each, prepaid. TRY IT, AND RETURN IT at once. If not satisfactory, and your money will be sent back.

M. M. JONES, Gen'l Agent,
6122 Oglesby Ave., CHICAGO.

Over 7000 in use July 4. Over 200 sent to readers of the FLORIST on approval, and none returned.

Prepare ads. now
FOR OUR
CONVENTION NUMBER
TO BE ISSUED
August 17.

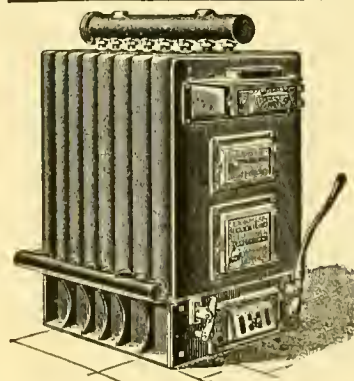
AN ACCIDENT

To your heater may make it necessary to put out the fire until repairs have been made—and this may happen at a time when to be without heat in the greenhouse would mean

CERTAIN DEATH

to your plants. Should you be fortunate enough to possess a "SPENCE" HOT WATER HEATER, and should an accident occur to one of the sections of which the heater is built up, that section can be removed without stopping the action of the heater. This is a feature of incalculable value and one that is possessed only by the "SPENCE." New "Spence" booklet free.

New York: American Boiler Company. Chicago: 84 Lake St.
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Attention Florists!

It will be to your advantage to look into the merits of the SCOLLAY "INVINCIBLE" HOT WATER BOILER.

It is all that its name implies and don't forget it. Cuts and full information mailed on application.

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89 & 91 Center St., NEW YORK. 74 & 76 Myrtle Ave., BROOKLYN, N. Y. Mention American Florist.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. X.

CHICAGO AND NEW YORK, AUGUST 3, 1895.

No. 374

THE AMERICAN FLORIST

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Entered as Second-Class Mail Matter.

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Address all communications to

AMERICAN FLORIST COMPANY,
P. O. Drawer 164, CHICAGO.

Eastern Office: 67 Bromfield St., Boston.

This paper is a member of the Associated Trade Press and the Chicago Trade Press Association.

The Eleventh Annual Meeting

OF THE

Society of American Florists

WILL BE HELD AT

PITTSBURG, PA.,

AUGUST 20, 21, 22, & 23, 1895.

Members may remit the annual dues (\$3.00) to the secretary prior to the meeting, thus avoiding the crowd and relieving the officers on the opening day. Badge for 1895 will be sent by mail to those who remit in advance of the meeting.

Intending members can obtain any information wanted by addressing the secretary.

OFFICERS:

EDWIN LONSDALE, Chestnut Hill, Philadelphia, president; E. C. REINEMAN, Allegheny City, Pa., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATY, Oil City, Pa., treasurer.

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SEND ads. for the convention number to reach us by August 12.

SOUTH BEND, IND.—The Indiana Hort. Society meets here August 21 and 22.

Heating Questions.

[Replies by Samuel Burns, member of the American Society of Heating and Ventilating Engineers.]

How much below the heating pipes in the greenhouses should the water line of the boiler be so that the condense will return to the boiler, the pressure to be 30 to 40 pounds? A. W.

ANS.—The water line in boiler should be not less than 4 feet below the heating pipes in greenhouse. In large runs of pipes or above the boiler is situated some distance from its work. I should advise the depth of boiler increased as much as possible; a much better working job will be the result.

Is there any method by which a 25-horse power boiler that is used for running steam engine can be utilized in heating greenhouses through medium of hot water system, or if used on a steam heating system, can common 4 inch pipes be used? WILLIAMS & SONS CO.

ANS.—There is a method of utilizing steam for heating greenhouses by hot water, introduced some years ago by the Exeter Machine Co., Exeter, N. H. It was designed to help those who had 4-inch pipes in their greenhouses and wanted to heat by steam, but did not care to go to the expense of putting in new pipes. In this system a steam boiler was located at some central point, a generator filled with water being placed at the end of each greenhouse in the same manner that the ordinary hot water boiler is at the present time; the generator had flow and return connections which were attached to the 4-inch pipes in greenhouse. The steam was introduced to these generators and passed through a coil of pipes which warmed the water, causing it to circulate through the pipes in the greenhouses. If you decide to heat by steam put in small pipes; the 4-inch are too large, and cannot be recommended for that purpose.

I heat by steam, as is usual; the steam rises to the highest point directly over the boiler, and from that point it is a gradual drop all through the houses back to boiler. What I want to know is what changes, if any, would I have to make in order to heat by hot water in mild weather and by steam in severe weather? My houses are not piped heavy enough to run on hot water during severe weather, and further I do not want to change; but I would like, if possible, to use hot water during mild weather. I have thought that by putting in a small pipe at the top of "L" in flow pipe going up to a tank (open) that I could plug safety valve, shut off steam gauge, fill up boilers and pipes with water, and it would "go" right along. Am I right or wrong? W. J. B.

ANS.—There are several changes which should be made before he can successfully use his steam heating apparatus for hot water. The arrangement of pipes, i. e.,

rising at once from boiler to highest point and then dropping all the way back to the boiler is correct as far as it goes, but he does not give the sizes of mains, which is an important consideration in deciding questions of this kind. In hot water heating the main flow and return should be the same size to get the best results; assuming therefore that this condition regarding mains has been complied with I will suggest the necessary changes.

1st. Provide an expansion tank of sufficient size (about one-twentieth the water capacity of boiler and pipes will do); locate this tank at least 18 inches higher than the highest point on main flow pipe.

2nd. Take a one-inch pipe from highest point of flow pipe and connect this to expansion tank near the top, say within two or three inches; this will take the air out of the apparatus when filling with water, and will act as a relief pipe at all times.

3d. Take a one-inch pipe from bottom of tank and connect to the return pipe near the boiler; this will act as a feed and expansion pipe; direct feed can be connected at any point between valve and boiler.

4th. An ordinary galvanized iron boiler fitted with water gauge will answer well; if such is used, take a one-inch pipe from top for overflow. If more convenient a barrel or wooden tank will answer same purpose, the connections remaining as explained before.

5th. Put a "Y" branch on main return, on the greenhouse side of check valve and carry a pipe full size of return from this "Y" to boiler, thus making for a short distance an independent return. Each of the connections mentioned must be provided with a tight valve.

EXPLANATION. When using for steam the valves in pipe leading to upper part of expansion tank, in pipe leading from lower part of expansion and the short independent return from "Y," must be closed.

TO CHANGE TO WATER. Shut off steam gauge, weight or plug your safety valve, open valves leading from tank and on independent return pipe; fill pipes and boiler with water to proper level in tank, then start your fires, and if pipes are put in right you will have no trouble.

In answer to "Manager," would say: A greenhouse 100 feet long by 10 feet wide and 7 feet high at ridge, inside temperature 55° to 60°, outside temperature 30 below zero, would require 9 lines of 2½ inch inside diameter pipes. In house 19 feet wide by 100 feet long, ordinary construction, 70 degrees inside, 30 below outside, would require 16 lines of 2½ inch diameter pipe. These amounts would give perfect satisfaction, using hot water under gravity system; if under pressure less piping would do. Should advise you

to run one main flow, $2\frac{1}{2}$ inch, along ridge in small houses, but should advise 2 flows $2\frac{1}{2}$ inch, one on each side in the large house from these mains; drop down to pipes under benches, falling to boiler about 1 inch in every 10 feet if practicable. The most exhaustive work that I know of on the subject of hot water heating is one written by Charles Hood of London, England, but as this work is gotten up for English practice it might not answer so well. I should suggest as the most satisfactory book for American practice "Hot Water Heating for Buildings," by William J. Baldwin of New York.

In answer to Emil & Herman Schmeiske: In regard to heating greenhouse 50 feet by 16 feet by 9 feet high—we assume that this house is to be used for general plants and that you want a night temperature of 55° to 60° when temperature outside is at zero. If this is correct, one 2 inch main overhead and 6 lines of $1\frac{1}{2}$ inch pipes under benches will do the work provided you heat by hot water under pressure (10 pounds). If you wish to heat by hot water gravity system, then you must add 4 lines of $1\frac{1}{2}$ -inch pipes.

An up to Date Small Range of Glass.

A subscriber some weeks ago asked for some suggestions on building a place of about 5,000 square feet of glass. He said his place was getting valuable, so he had sold the land and purchased three acres farther from the city. He wished to avoid the expensive errors of the past and build the new place as near up-to-date as possible. The place is to be used for growing cut flowers and plants for the local trade in a small city of 15,000 people.

It would be easier to me to give my views on how to build a rose house or carnation house, for a plan of one would suffice for 40 houses. In this small establishment where such a variety is expected to be grown, there is much more likely to be a difference of opinion. The inclosed sketch covers 6,000 square feet of ground surface, and is what I would build were I limited to a place of that size and did a retail business. That amount of glass devoted to the production of one sort of flower, say carnations, would be entirely different were I to build it. The plan I trust will be easily understood, and here follow some points on construction which have to be explained.

I have placed the office near the street, which happens to be the east end of the lot, because I have found many customers, especially when in a hurry, want to get the salesman as quickly as possible, and don't care, especially in hot weather, to walk down the narrow pathway of the greenhouse. The office facing the street should have plate glass windows, and be completely and neatly fixed up. Beneath the office should be a cellar with a partition wall between it and the furnace cellar. This will always be cool and moist, and will keep flowers many months in the year much better than an ice box. The office or salesroom should be made and kept as near as possible the same as our retail flower stores in larger cities, and just let me add here, should never be a lounging place for friends. If any cigars are to be smoked, stories told or bowling arrangements made let them pass out to the potting shed. A close board partition should divide this workshop from the office. The walls of the cellar should be of 15-inch stone work, or if that is not convenient 8 inch brick work will do, and

the walls, particularly in that part used as the potting shed, should be brick or stone at least 4 feet above the ground. This is an important point, because you are storing soil in this shed and wooden walls will quickly rot out. I have used 2-inch plank for the walls of cellars, of course for cheapness, but in a very few years they rotted, letting the earth cave in and having at great trouble to be replaced by stone walls. If you have the sewerage go down deep with your cellar, 7 feet is not too much; never mind what some supposed authorities tell you about hot water circulation. The secret of a rapid circulation, which in other words means saving of fuel, is to have the heater well down below the pipes in the house, and if you use steam a good deep stoke hole is quite essential.

I have run the houses north and south. Fifteen years ago this would have appeared absurd, for in those days our glass was 8x10 and at intervals a heavy rafter 5 or 6 inches by 2 inches, nowadays we build so differently that I am convinced it makes little difference which way the houses run; light is what we are after and with glass 15 or 16 inches wide, no rafters, and only a small iron purlin you will get as much light one way as the other. Some will say "ah, but you don't get the direct ray of the sun." Query, whether that is any more essential than light all round. If you wish to save the water from the roofs let the houses tip slightly towards the shed. If you don't need the water then give the gutters a drop of 2 inches from the shed. Quite an important part of the structure is the gutter. A few years ago there was a great fuss made of the gutter, and it was made of tin, zinc or galvanized iron. They were all a failure, and a nuisance; keep them painted and patched as you would they would leak, and then between the metal and the wood the rotting took place. All you need for gutters is a 12x2-inch cypress plank, with pieces of the same material either bolted on side of gutter plate or nailed on top. Keep this gutter well painted with heavy coat of lead and it will last as long as the bars.

The roof should be supported by one inch wrought iron supports and the same for purlins; each bar is fastened to the pipe with a galvanized iron or tin clip. The two outside houses, Nos. 1 and 5, should have 3 runs of these iron supports, one under the ridge, which does the most good of all, and one on each side of ridge 4 or 5 feet down. In the houses Nos. 2, 3, and 4 a support under the ridge is not necessary. Some may say there is a good deal of iron post about these houses; remember they are only one inch (just as good for the purpose as 3-inch) and when kept painted are never noticed. There should be a door leading from shed into each house, and also a good width of door at the south end of each house. They will be used little or never during the winter months, but in summer time, when you want to renew the beds with fresh earth these are the doors which will be used. Make them wide enough to admit a wheelbarrow comfortably. The days of carrying in soil in a glass box should be over.

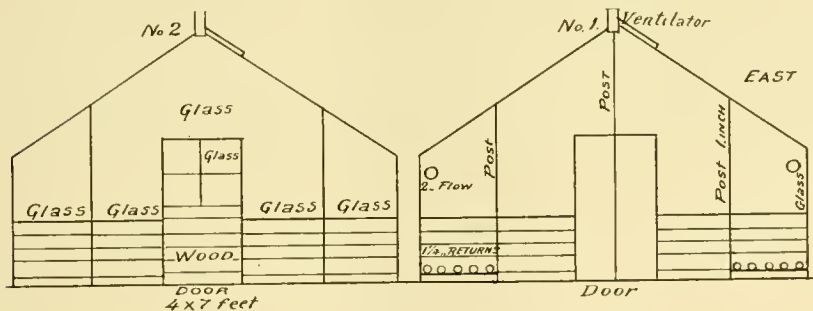
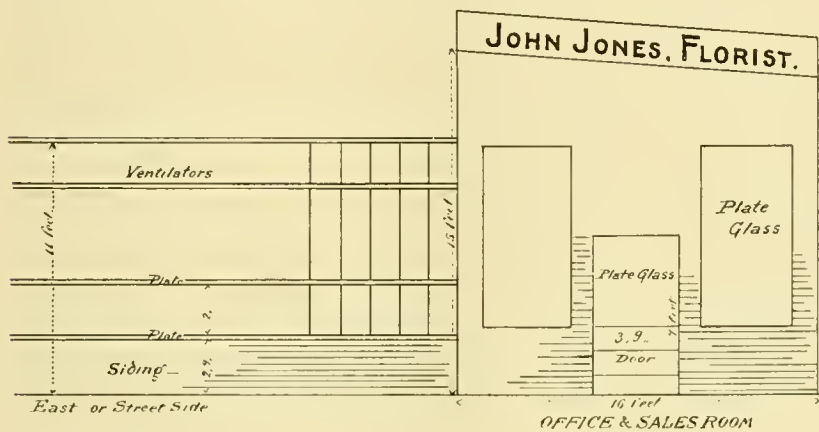
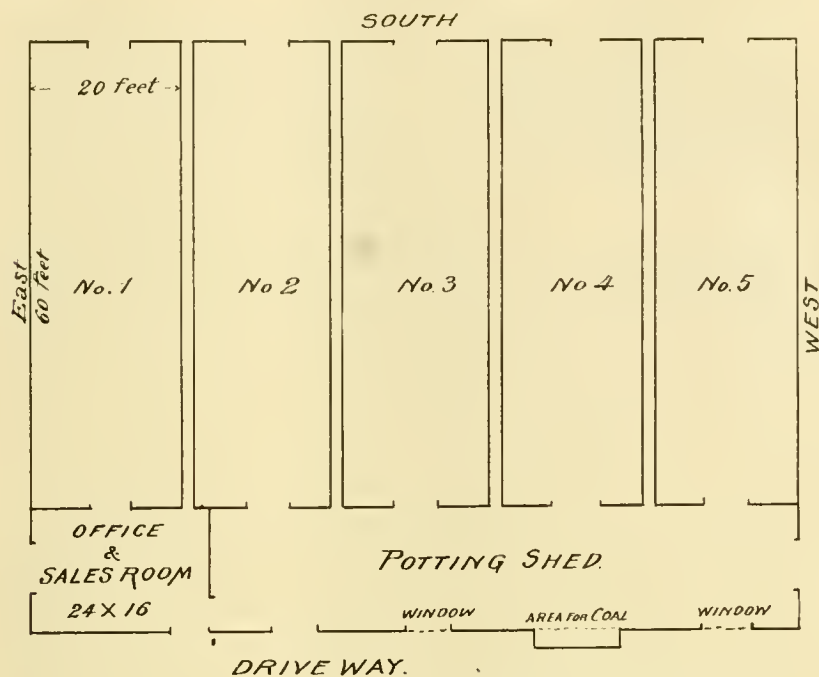
Ventilation should be continuous along the entire length of every house, and let it be large enough; on one side of the ridge is sufficient and the east side has many points in its favor. Don't think you can get along without one of the several lifting apparatus which are now in the market. You will save more than its cost in broken glass and time in one year over the ropes and sticks and rods of iron that

used to be considered all right. On the east or street side I have endeavored to show the side wall about 5 feet high, 2 feet 6 inches of wood work, 2 feet of glass and the rest is taken up with plate, etc. It is very desirable to have side light on this side, as it is not only beneficial to the plants but adds immensely to the appearance.

Use nothing but clear cypress lumber. It is now to be obtained in every locality but you can get it all cut ready to put up much better from the firms who make a specialty of getting out this stuff for greenhouses than you can from your local mill. Use for posts only red cedar so called here (*Juniperus virginica*) or locust. The cedar is to be preferred because it will last as long as you want a greenhouse, and is easy to handle and work. The partitions between houses should be one thickness of 1-inch pine or hemlock boards. Put the boards on whichever side suits you best. They should not nor need be matched stuff or nailed on too firmly, for it is a part that will rot sooner than any other part of the structure, and should be put on in such a way that they can be readily renewed when occasion requires.

About benches, it is hardly worth while to enter into that here, as they will or should be built to suit the crops, only remember it does not pay to use 1-inch boards. Use plank 2 inches thick and let the legs, *joists particularly*, and surface of plank receive a thorough coat of hydraulic cement. The cement will prolong the existence of the bench several years.

The heating is of first importance in every greenhouse establishment, and to give an outline even of the various systems would fill a small volume. There is nothing new in the principle of hot water circulating through pipes since the time the Romans used it to heat their baths, but there has been within a few years, a considerable improvement in its appreciation. I do not advocate steam for a place of this size where a different temperature may be desirable in each house, so I shall recommend hot water, and that under a system which I adopted two years ago, and was about the same time put into a new range in Orange, N. J., and illustrated in one of the horticultural journals. As stated before; get your boiler well down, run the flow or flows, 3-inch wrought iron in this case, up through the floor of the shed and 1 foot above the doorways leading into the houses; let that be the highest point in the whole system. By an elbow or T run the flow the length of the shed and tap the flow with a 2-inch at the side of each house; you can drop down to the height you want the flow either in the shed or inside the greenhouse. This 2-inch flow can be run along the post about 4 to 5 inches below gutter plate, giving it a drop of 1-inch to further end. Then drop down below bench into a manifold and return with $1\frac{1}{4}$ or $1\frac{1}{2}$ -inch pipes, giving them a drop back to the shed of one-inch. The returns will be under the floor of the shed, and then drop into the boiler. A tank or barrel of a good size should be elevated to the highest part of the shed and a one inch pipe lead from that to the return pipe just before it enters the boiler. The tank I have holds one hundred and fifty barrels and is used for watering the houses, but a tank of 30 gallons is just as good as long as you keep it full. From the highest point of the system a small pipe ($\frac{3}{4}$ -inch is large enough) should lead up to the top of the tank and discharge into it. If any steam should be made or air accumulate it will immediately find a vent there. I don't want to call this the



AN UP TO DATE SMALL RANGE OF GLASS.

down-hill system, for the circulation would be just as perfect if the pipes in the greenhouse ran perfectly level, but it is best to have a slight drop one way or the other, so that you can empty the pipes. If the pipes raised to the further end of the greenhouse you would be compelled to place a pet-cock on each run and they would require watching. Nor do I call it hot water under pressure, although in my case I have a few pounds of pressure because my tank is 25 feet above boiler. Still it is the open system. When your tank has water in it your whole apparatus is full. So grandly does this work and so economical is it that I can honestly say it is a great advance over the large pipes and old fashioned open

stand pipes. Don't forget to put a valve on the 2-inch flow as it enters each side of every house. Some good men will say "yes, but your small pipe cools awfully quick." To them I would say a good job too; in cooling they have given off their heat. You can make the pipes of this size with proper heater capacity much hotter than the 4-inch are usually heated, and all practical florists know the great advantage it is to have the pipes cool off quick on a bright day in March, when perhaps it has been a zero night followed by a bright sunny day. The 4-inch pipes, with the fire stopped dead, will keep up their heat on these occasions, while the small pipe will quickly cool. This is the great advantage of steam, quick to heat

and quick to cool, and the system I have tried to describe after 2 years' experience with 4 large carnation houses is to me as far ahead of the old fashioned 4-inch pipe with expansion tank filled by the hose, as the latter is of the old brick flues. As you pass through the office with your flow pipe over the doors to heat No. 1 you can take a one inch lead from it and heat a small radiator, which will be an ornament to the office and keep it comfortably warm in severe weather.

It is difficult for me to tell you which houses you should use for different purposes. The roses and carnations should undoubtedly have the lightest houses but they will all be about as light one as the other, excepting No. 1, which will get the advantage of the early morning sun, and would be best suited for roses. Yet this is the house leading from the office and nearest the street, and as a house of roses is by no means an attractive sight No. 1 should be the show house where the blooming plants should be always kept. No. 2 can be a rose house, No. 3 the warm house where palms, ferns, and plants requiring a high temperature can be wintered, No. 4 a general utility house, and No. 5 a carnation house. You will without a doubt as the city grows want to enlarge your glass area, and you can do that by simply extending your shed westward and run houses of any desired size from it.

In conclusion I would say: If you are not a practical man on building and have to trust to the local builders, it will pay you to give the contract to one of our horticultural builders; there are several in the country, good practical and responsible firms. The average builder knows about as much about building a modern up-to-date greenhouse as the village undertaker. If you undertake the building yourself and hire your men procure at once the late M. A. Hunt's little book on "How to grow cut flowers"; his chapter on building is excellent. If I am not too late with these suggestions for the enquirer I shall be glad to answer any questions he may ask of me privately, and to the expected critics I would say, remember I was confined to a range of houses, 5,000 feet to suit a small city. The list of hardy plants best suited for the summer cut flower trade and also the varieties of carnations, roses, etc., to stock with I must leave to a future number of your journal.

WM. SCOTT.

Herbaceous Plant Notes.

Clematis Davidiana has slender tubular shaped flowers resembling a very large common hyacinth, of a very firm texture and light blue in color; the flowers are produced in axillary clusters coming out in succession from the end of July to late autumn. The plant is of low and bushy growth with leafy stems two to three feet in height, and is a good hardy border plant of easy management, growing in most any part of the garden.

Globularia trichosantha is a pretty plant for the rockery or the front row of the border; has large light blue flower heads and blooms July and August. It is of dwarf growth, attaining a height of only 6 to 8 inches. The leaves are oblong, pointed, occasionally triparted and form rosettes close to the ground.

Antennaria margaritacea blooms from July to September in close clustered terminal flower heads white in color, it is one of the everlasting flowers and does well in dry sandy and light soil. The narrow lanceolate leaves are thickly covered with a silvery white down, very at-

tractive, and therefore the plant is sometimes used with the best effect in foliage beds; height 1 to 1½ feet.

Rudbeckia hirta with us comes in very much later than *R. maxima*, beginning to bloom the latter part of July and lasting well until fall. The flowers are borne on long erect, stiff stems, are bright golden yellow with a dark brown disk and are very much liked as cut flowers, keeping fresh for a long time after being cut. The plant is of a spready, branchy habit and makes a grand show when in flower in the border or among low shrubs, growing only 1½ to 2 feet high.

Boltonia asteroides is a very free flowering useful perennial, the aster-like flowers are disposed in large loose terminal panicles, pale flesh colored with a faint lilac tinge, and the plant is covered with bloom in August and September. For the back of the border or the shrubbery this is a most desirable plant for fall ornamentation; height 3 or 3½ feet. *Boltonias* will soon spread out, making numerous suckers, and would take entire possession of the ground if left alone, therefore dividing and replanting should be attended to every two or three years.

Silene Schafta is a beautiful dwarf free flowering perennial, beginning to bloom in the last week of July and lasting through August. Should be planted in a partially shaded position or else in rather moist places, otherwise our scorching sun will burn the foliage. The color is a pleasing shade of purplish rose and the long tubed flowers are freely produced along the half prostrate many branched stems in succession, until the whole plant is a mass of bloom; 6 inches is as high as it will grow.

Cassia marylandica deserves to be planted more frequently; we do not see it very often, although it is not at all difficult to grow. From the latter part of July to October the bright yellow many flowered crowded racemes will continuously spring from the axils of the leaves, and the plant also presents a very attractive appearance even in the earlier part of the season when not in flower. The leaves are pinnatifid, oblong, somewhat resembling a locust leaf in form, but producing only 7 or eight pairs of leaflets. The height of the plant when fully grown is from 2½ to 3 feet. Very effective where massed together in front of shrubs.

Lobelia syphilitica is an erect growing stout stemmed hardy variety with large light blue flowers disposed along an upright raceme, and grows to a height of 1 to 1½ feet. It flowers from now until late in the autumn, and is a desirable border plant of easy culture, but rarely seen in collections. The leaves are broadly oblong and pointed. It does best in a rather moist location, but also blooms tolerably well in a dry border.

Campanula pyramidalis, both the pure white and blue, should be planted more in gardens either in groups and masses or single specimens in the border. It forms a fine regular shaped plant, and during August and September it is a mass of bloom. A tall stately plant, the pyramidal flower stems reaching a height of 4 to 5 feet, covered from top to bottom with delicate bell shaped flowers. Not a perennial, but a biennial variety, not blooming the first year from seed. Annual sowings should be made of this grand campanula. J. B. KELLER.

Rochester, N. Y.

THE COLOR CHART to be issued with our convention number will contain 36 colors.

Now is the time to send advs. for the convention number.



Carnation Notes.

Mr. W. writes that he is ready to receive or compete for the reward offered in the FLORIST of May 25 for a carnation support that is satisfactory to all. He has it; no mistake this time. Well, this is just what a great many have thought before, and after thorough trials something has popped up that was better still, and then Mr. W. must prove that his support will fill the bill in every particular and satisfy every grower that his support is absolutely perfect. He will do well to have it on exhibition at Pittsburg and then again in New York next February at the meeting of the Carnation Society. This matter of supports is a great point in the successful growing of carnations. The general health and condition of the plant depends greatly upon the manner in which it is trained or propped. If a plant is allowed to sprawl all over the bench or is tied to a stake in a close bunch, or in any way in which it will hold dampness to excess disease is sure to follow. I have tried almost every sort of stake, wires and supports, and shall this year use what is now called the Excelsior which I have fully described before as "Lonsdale's," and which was used last season with great success by the Dailedouze Bros., but if Mr. W. has invented, as he claims, one that will place all others in the shade, why let's have it if it does not come high.

I am now, July 30, giving my carnations the last pinching back that they will receive, and this only to quick growing sorts. All late varieties such as Albertini, Hinze's White, etc., should not be cut back now, as they will need all they can get to bring them into bloom by Christmas. The general report from most sections is that carnation plants are in very much better condition than at this time last season, it will therefore be well to take extra care of the plants you house, as there is sure to be a very large supply of flowers next winter and only the best will bring the top price. Use plenty of good manure, watch your plants as closely as you do your 'mums or roses, and above all do not leave the care of your carnations entirely to green hands.

CHAS. H. ALLEN.

New Carnations.

Carnations have been registered as follows since my last report:

Mrs. Mailander—by Otto Mailander, Niles Center, Ill.

Annie H. Lonsdale—by Messrs. Myers & Samtman, Chestnut Hill, Philadelphia, Pa.

Evening Star and Guiding Star—by Messrs. W. P. Simmons & Co., Geneva, Ohio.

Fred Weir—by Henry A. Molatsch, Bay Ridge, N. Y.

Letty Coles, Triumph, Abraham Lincoln, Cleopatra, Emma M. Thompson, Emma Lowrey, Mrs. S. M. Inman, Mrs. McBurney and Azalea—by Messrs. E. G. Hill & Co., Richmond, Ind.

Mrs. Chas. H. Duhrme—by Fred Dorner & Son, Lafayette, Ind.

ALBERT M. HERR.

Committees on Carnation Novelties.

The following committees have been appointed by their respective clubs to examine and report upon carnation novelties that may come before them for inspection:

New York: Messrs. P. O'Mara, Ernst Asmus, J. N. May, Anderson, Weber, Paul Dailedouze and Julius Roehrs.

Philadelphia: Messrs. Thomas Cartledge, J. W. Colflesh and Robert Craig.

Chicago: Mrs. E. T. Royle, E. Buettner and Chas. Hartwig.

Baltimore: Messrs. Conrad Hess, F. Burger, Harry Fisher, W. Lehr and Edwin Seidwitz.

St. Louis: Messrs. Harry Young, F. J. Fillmore and J. J. Beneck.

ALBERT M. HERR.

Miscellaneous Seasonable Hints.

Those who are growing chrysanthemums for pot plants planted out on a bench in 5 or 6 inches of soil should keep a watchful eye on them, and pinch them discreetly. The first week in September is the time to lift them, and all stopping should be done by the middle of August. Anyone who has a demand for a well flowered compact healthy chrysanthemum in a 6 inch pot who does not grow them on this principle is 10 years behind the procession. It's a pity there are not more varieties that make good pot plants. With great labor and pains you can grow almost any variety into a specimen plant, but what the commercial florist wants is a variety that will naturally make a compact dwarf bushy plant and will keep its leaves green to the end. There are many chrysanthemums that I have not tried for this purpose, but of hundreds that I have given a trial to there is none equal to Ivory for a white, Lincoln for a yellow, Maud Dean for pink and Cullingfordii for red. Many others make acceptable plants, but nothing like the four varieties mentioned. These remarks are a little out of season, but perhaps will be remembered, and a good plan is to plant (as I do every season) two or three of every new variety, and test for yourself its adaptability for this purpose.

About the middle of August is the best time to cut down and propagate your show pelargoniums. In Europe all geraniums are called pelargoniums, which is perhaps correct, but here we are satisfied to call nearly all the members of this beautiful genus geraniums, except the species and their varied offspring the show pelargoniums, or *P. grandiflorum*. You will have noticed perhaps that when they went out of flower early in July they began to grow; from that young growth you can get your best plants. When cutting them down for propagating don't be afraid to cut down within a few inches of the pot. There is no safer way than putting the cuttings in the sand and keeping moderately moist; every cutting will "strike." Some growers to increase stock rapidly plant out their pelargoniums on a bench in spring. I have not tried this plan; no doubt you could get a larger plant, but I scarcely think the cutting would be in any such good shape to make root as those grown in pots. Have you ever noticed how indifferently the cuttings of the common rose geranium roots when taken from the strong succulent growth of the garden? But from pot plants it roots as easily as "Glechoma rotundifolia variegata." After the old plants are cut down almost to the pot keep them about dust dry; in two or three weeks they will



CLEMATIS JACKMANNI IN HUMBOLDT PARK, CHICAGO.

break out at every joint with a new growth. Then is the time to shake them out. Get rid of every bit of old soil, shorten back the long roots, and pot firmly into a size much smaller than they flowered in. Twenty years ago the pelargonium was a leading article in every greenhouse, but now it is too seldom seen. The varieties are so numerous it is dangerous to mention any, and I shall only refer to those which I know are healthy growers and free and favorite colors. Mrs. R. Sandiford, thought to be an improvement on Princess of Teck, a beautiful fringed and semi-double white. Madame Thibaut, identical in habit to the above but richly blotched and marbled with pink. Dr. Masters, dark maroon, a very rich looking flower. Then there is Capt. Raikes, Kingston Beauty, Maid of Kent, Mr. John Hayes, Venus de Milo, and dozens of others. If you don't want to go into a great variety the three varieties first mentioned will

fill the bill. To those who say there is no money in them allow me to say that an aristocratic customer of the writer's wanted a very handsome wreath made in June last, "something different you know," and I suggested the white pelargonium (Mrs. Robt. Sandiford). The man who made it, the lady who paid for it, and all who saw it say it was the handsomest wreath of the year.

Don't forget to propagate your alternanthera in early August. The coarse growing varieties can be increased by lifting up a few old plants before frost, but the best one of all, paronychoides major, is very difficult to winter unless you have a regular hot box. Prepare some flats, two inches deep, one inch of soil in the bottom and one inch of sand. Cuttings put in now will root like weeds, be strong young plants before cold weather comes, and the flats can be wintered on a shelf in the warmest house you have. This is the way to

keep this little scarlet gem over winter.

In this leisure time you should go over your palm and cycas stock and give them a washing. It pays to do it; a pail of water and a sponge with 4 or 5 ounces of kerosene emulsion (soap and coal oil) will rid them of their great enemies the scale and mealy bug, and leave the leaves looking bright and glossy. You may say that's quite a job, but think how little time it is on each plant. Supposing it took a lad at \$1 per day ten minutes to sponge a kentia worth three or four dollars. The operation has cost you less than 2 cents and you have added to the appearance of the plant (which in palms is value) more than 25 times the cost of labor.

I take the liberty to advise those who grow violets (not violet kings) to lift their plants if in the field early in August and plant them on the benches. The much talked of violet disease makes its appearance in September when the dews are heavy. Last year I noticed violets under many and varied conditions, and now were better than a small bench which had been kept in flats from the spring till the first week in August, then planted on a bench in 5 inches of soil. They flowered continuously for eight months.

WM. SCOTT.

Hardiness of Chrysocoma and Chrysobactron.

Do I understand Mr. Keller to say that any of the eight species of composite chrysocoma, which are South African, or any of the thirteen species of the Asphodeline bulbinella (Chrysobactron), of which perhaps *B. Rossii* is the finest, and which are all natives of South Africa, New Zealand, Campbell Island and Auckland Island, are hardy herbaceous plants at Rochester, N. Y.?

J. MCP.

In regard to the enclosed comment upon my notes on *Chrysocoma Linosyris* I can safely say that it is hardy here and should be so in all the northern states, for it stands the winter in Europe. I am not a botanist and cannot tell the native country of this particular variety, but believe it is to be found in northern latitudes. I remember having seen chrysocomas in Europe that were evergreen greenhouse plants, but the one in question is not an evergreen sort.

Chrysobactron Hookerii also is perfectly hardy here and has behaved nicely with us the past three winters. I was not acquainted with the plant until I saw it in Europe four years ago among other herbaceous plants, and determined then to try it here. I also wanted to buy *C. Rossii* at the time, but there were no plants for sale and I can't say anything about its hardiness. If there are any more varieties of chrysobactron that are likely to be hardy here I shall be glad to know where I can obtain any of them.

J. B. K.

[*Chrysocoma Linosyris* is a native of Northern Europe. *Chrysobactron Hookerii* (syn. *Anthericum Hookerii*) is a native of New Zealand, described as hardy by Nicholson.—Ed.]

Fancy Caladiums.

The fancy caladium does not get the attention it deserves. The bulbs are very easy kept through the winter; a well matured out of doors bulb will give from 25 to 50 young plants. They will make the best plant for house decoration and a fine bedding plant for high grade sub-

tropical bedding, say around croton and dracaenas. I plant all kinds out of doors except argyrites, which is too insignificant. If left out until October 15 or November 1 in this latitude the bulbs can be taken up and ripened in the greenhouse, say on a bench, and stored for the winter along hot water pipes. I have had as many as 500 in one bed of about 50 kinds. The effect was simply grand.

Anniston, Ala. F. J. ULBRICHT.

OBITUARY.

HENRY E. CHITTY.

Henry E. Chitty, widely known as the originator and introducer of a number of valuable carnations, died at his home in Paterson, N. J., July 24, after a short, but painful illness. Mr. Chitty had been suffering with a complication of diseases for some little time, which finally developed into acute peritonitis. He was about 66 years old, and leaves a widow, but no children.



Mr. Chitty was a native of England, where he learned his business, but came to this country when a very young man. He first settled at New London, Conn., where he worked at his profession until the war broke out, when he enlisted in the Tenth Connecticut volunteers. He served in many engagements, being severely wounded on one occasion, when the regimental colors were shot out of his hand. He left the army with a fine record, and has always been prominent in local G. A. R. circles, being past commander of Farragut Post, Paterson. After the war he went to the oil regions of Pennsylvania, which were then creating a great stir. From there he took charge of a greenhouse establishment in Philadelphia, but did not remain long in that city, returning to New London, where he married Miss Mercy Allen, who survives him. About twenty-one years ago he went to Paterson as foreman for the old Bellevue Nursery company, which position he held until he started in business for himself some fourteen years ago. About four years ago Mr. Chitty was elected an alderman, and has since been prominent as an exponent of good citizenship and progressive municipal government.

To the trade Mr. Chitty leaves a fine record as a carnation grower. He took a great interest in the testing of new varieties, and though he was hardly a carnation socialist, being engaged in a large retail business, he was much interested in this flower, and raised a good many seedlings, sending out a fine set this year. Personally he was a man of spotless integrity, and the object of universal respect in his community. We may all regret him, as a representative of whom the trade might well be proud.

ADVS. for the convention number must reach us by August 12 to be sure of insertion.

New York.

How to keep the store window attractive without much cost is a pertinent question with the florists in these mid-summer days, and as a rule they solve the problem very successfully. Here is where the indispensable and non-killable aspidistra comes in, and associated with ficuses and the tougher species of palms it is seen almost everywhere. Groups of these plants sloping from the tallest in the background down to the lowest in front and finished with a close margin of the low growing selaginellas make the ideal window display where expense for renewal would be avoided. Some add araucarias and pandanus to the collection, or vary the monotony of the dense mats of selaginella by a mixture of the more graceful growing Emilliana, and others more solicitous for effect than economy make maidenhair fern serve as a setting instead of the more durable selaginella. To such a background of green but little needs to be added to give color and life. A jar of auratum lilies or a couple of vases of showy gladiolus spikes fills the bill nicely. From the mixed up mass of many-hued garden flowers, immortelles and jimeracks of the Bowery florist to the stately bay tree and palm of his Fifth avenue brother is a long step, but doubtless each knows his trade and his environment, and worldly wisdom is shown in both cases. An unlooked-for artistic treat is sometimes seen, however, in the most unexpected place, as for instance in Third avenue where but a block away from "John the Florist's" distracting jumble of sweet peas, asters, alyssum and metal wreaths we stop to look into the cool green of adiantum and alsophila of Schilowsky's window, which if not so glorious to the Third avenue eye as its gaudy neighbor is nevertheless a valuable lesson in art where it is most needed.

Profound stillness prevails in Madison avenue. In Dards' window a pretty three-decked fountain plays and the water falls into a basin filled with water lilies and bordered with drooping foliaged plants. Within, a draping of mosquito netting covers everything and the occupants have nothing to do but ply the fan. Hauser, just above, is in the same box. He can tell you all about the gold reserve in the Bank of England, but when it comes to the cash balance which the flower trade on Madison avenue yields in July he can prove that it is not big enough to feed the canary which lives in the cage in the window and looks out at the passing bicycles. Besides a few palms and lycopodium the only window goods here are vases and baskets, which do not wither in twenty-four hours. From Stump's old stand the glory has departed temporarily and the curtains are down to stay so until fall, but on the opposite corner Niclis makes an attractive spot with a window full of plants.

Stump's new marble palace on Fifth avenue being right at the most fashionable entrance to Central Park has always a window display in keeping with the locality. A carpet of selaginella and creeping ficus makes a perfect setting for a group of rich colored caladiums, and massive palms and tree ferns form the background. Inside the big refrigerator is well stocked with American Beauties, Meteors, carnations and lily of the valley. At Burnham's, near by, the conservatory in the rear looks inviting, and the windows are decorated with palms, etc. in fancy pots. Further down Fifth avenue we come to Alex. McCoune's, where the monotony of green ferns and palms is

broken by the addition of some grandly colored dracaenas mounted on yellow pedestals and the court yard in front is shaded by a forest of tall arecas. One of Hodgson's windows is filled with a grove of araucarias and the other with a bank of Pandanus Veitchii, but the great man himself is away in Newport for the summer, where there are to be receptions and fetes galore. A stately row of handsome bay trees makes an imposing front for Siebrecht & Wadley's corner, and the windows are well hidden from sight. One of them, however, is fitted up as a refrigerator and here flowers of all seasonal varieties keep in vases until they are wanted.

Broadway shows but little more life, in a floral way, than the avenues. At Scallen's there is a window full of aspidistras but nary a flower. Thorley's large window is a forest of palms and in each of the smaller ones stands a rich bronze vase with a big cluster of auratum lilies or gladioli. Warendorf makes a promiscuous display of flowers, but always with much taste. Small's window is fitted up as a refrigerator, with double glass and ice overhead. Here a tasty arrangement of foliage plants interspersed with a few clusters of choice flowers is always seen. Hanft's front is a glory of gladioli and yellow urns with a background of ficus. Across the street is Bebus's new establishment in all the neatness of recent opening, and a few doors away is Miss Harris's little store, which needs no window adornment when its fair proprietor is in view.

A glance up and down Sixth avenue shows that here, too, summer quiet reigns. Chas. Doran varies the regular crop of selaginellas, aspidistras and palms with a big vase of cat-tails, and Herman Kuhn escorts his visitors upstairs to his useful little conservatory over the store and tells how valuable he found this adjunct to be and what he expects to accomplish with it next season. Bogart's store is in semi-darkness, typical of the dead calm pervading the flower business, but his window and that of his neighbor, Graulich, are neatly filled with plants. Alphonse gives a touch of French primness to his window display. With the aid of little geometrical shaped glass receptacles an attractive miniature parterre is constructed in which selaginellas of several species and ferns are the principal component.

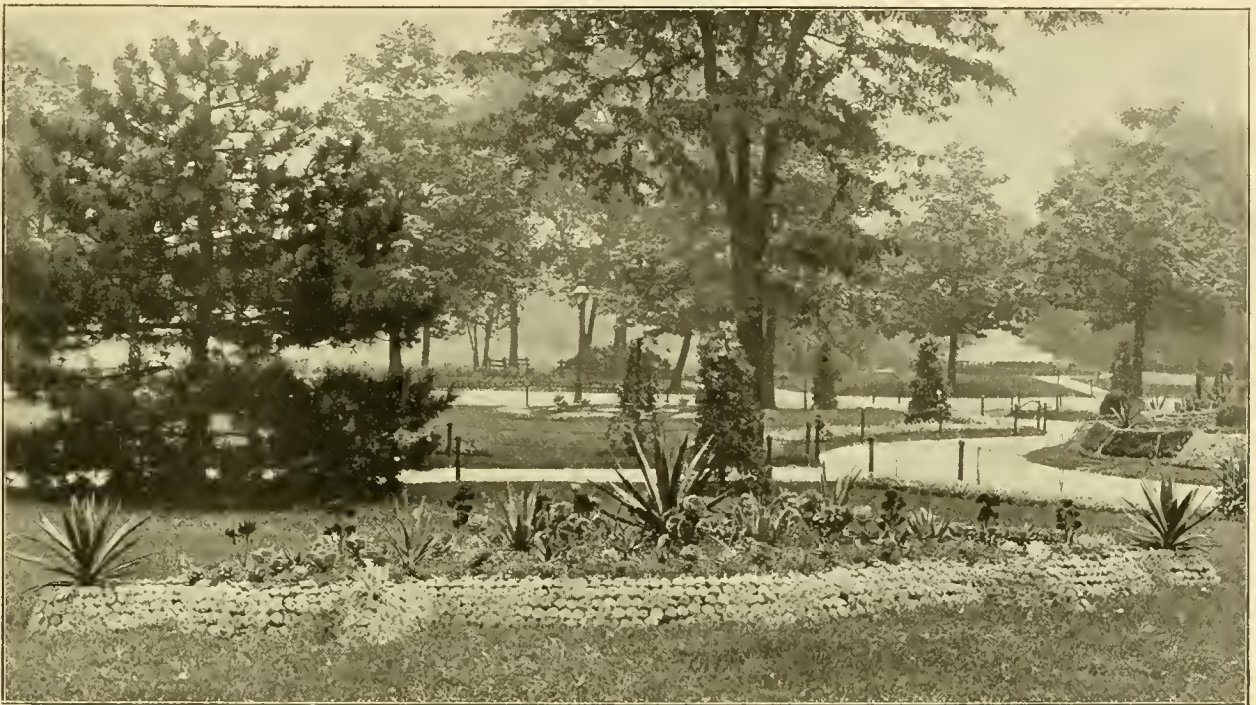
The cut flower trade has never been at a lower ebb than at present. The wholesalers receive daily a load of consignments ranging in quality from grade one down to grade thirty-three, and in variety from American Beauties down to dahlias, but it is appreciated by the community and there is little to do except to speculate on the chances of success of the much discussed and much abused "combine." What would New York have done without this sensation this very listless season?

On Wednesday, July 31, a windfall dropped into the lap of Dards in the shape of a funeral order for the late Mrs. Hege-man, and Eddie Burke, who has just returned from a Wagner car trip over the New York Central R. R. was in his glory with wreaths, crosses, anchors, pillows and crossed palms.

Jacob G. Bebus has opened a retail flower store at 1142 Broadway.

Mrs. W. H. Young of Clifton, N. J., sailed for England on July 27.

J. N. May of Summit, N. J., Robert Craig and Robert Kift of Philadelphia, and Joseph Kift of West Chester, Pa., sailed for England on the steamer Ger-



BEDDING IN HUMBOLDT PARK, CHICAGO, THIS YEAR.

manic Wednesday last. There was a large and enthusiastic crowd of friends to see them off.

Boston.

Reports from the large growers and dealers in spring bedding plants for this market indicate that as compared with previous years the trade during the spring of 1895 was fully up to the average. The demand for foliage plants, so-called, such as coleus, alternanthera, etc., shows a decrease, but flowering plants in general have experienced a greater demand than ever before. This is especially true of the newer varieties of geraniums, French cannas, pansies, tuberous begonias, vincas, marigolds and plants for subtropical bedding, such as caladiums, ricinus, etc. The call for geraniums has been unprecedented, and pansies have also enjoyed a remarkable popularity, the latter suffering severely, however, from the very unfavorable season. Hydrangeas, fuchsias and verbenas seem to have fallen off in demand.

The trade and prices of plants at wholesale seem to have been particularly satisfactory to those who make a specialty of this business, with the exception of those growers who raise stock for the auction sales. These latter complain that auction returns have been too low for profit this season, and their protest is reinforced by the clamor of the retailers, who condemn roundly not only the auction sales of plants to amateurs, but also complain strongly about the competition of the department stores and the peddlers. It is the general opinion that the average quality of stock as now grown is far below what it should be, and that this is chargeable to the steady lowering of prices. That a policy of growing better plants and charging accordingly would win in the end seems to be generally conceded, but it is not believed that much relief will be experienced until the quantity is shortened up or a larger retail outlet is provided. Some growers favor a large central market where they can meet

the consumers directly without the intervention of the peddler or auctioneer, but there seems to be no prospect of an immediate fulfillment of their hopes.

The horticultural exhibition on July 27 was an unusually fine one. Sweet peas were the special attraction, and they were shown in excellent quality and endless variety by A. A. Hixon, F. A. Blake, John P. Spaulding, E. C. Lewis, J. S. Fay and Walter Russell. A most remarkable feature was the display of toadstools and mushrooms to which J. H. Woodford, Hollis Webster and Annie M. Livsey contributed. The collections were very comprehensive and the different species were carefully named and their poisonous or non-poisonous character carefully noted. Mrs. F. L. Ames staged twenty-eight varieties of cypripediums, the gem of the collection being the new Annie Measures, a hybrid between *Dayanum* and *bellatulum*. E. O. Orpet, gardener to Mr. E. V. R. Thayer, showed another novelty, six plants in bloom of *Saintpaulia ionantha*, for which a certificate of merit was awarded. N. T. Kidder and the Harvard Botanic Garden showed large collections of hardy perennials, and J. S. Fay, Oakes Ames, James Comley and others staged promiscuous lots of choice bloom.

Visitors in town: C. G. Knott, superintendent gardener of the Horticultural Association, St. John, N. B., and H. H. Battles, Philadelphia, Pa.

Philadelphia.

The friends of Robert Craig and Robert Kift gave them a farewell entertainment at Dooner's Hotel on Monday, July 29, previous to their departure for Europe on the steamer *Germanic* from New York. The affair was thoroughly enjoyable, as is usually the case when the Philadelphia florists meet. Mr. Edwin Lonsdale presided and made things lively. He says he would rather be president of the Society of American Florists than of the United States. Every one knows what a brilliant speechmaker Robert Craig is, and this time he outdid himself and was loudly

applauded; so was Robert Kift, who also made appropriate remarks. Deacon Harris related one of his many funny stories and recited some poetry suitable for the occasion, in which he gave the boys some good advice that they are sure to follow. Major Bonaffon, who spoke at length and to the purpose, presented Robert Craig, his bosom friend, with the small silk United States flag which encircled the clapper of the liberty bell while on its way back from the Columbian Exhibition, and hoped that it would prove an open sesame wherever they went. John Burton also made a good speech and George Watson wouldn't keep quiet. John Walker gave some capital songs and so did others. Robert Craig of course sang "Anne Laurie." A. Blanc read a number of letters and telegrams from those who were out of town or unable to be present, all wishing the travellers bon voyage. Among those present were also Messrs. Westcott, Cartledge, Colflesh, Heacock, Shellem, George Craig and Wm. P. Craig. The supper was very elaborate, but the boys kept good hours. As the State House clock struck twelve they all sang "Say au revoir but not good-bye," shook hands, and went straight home. The rooms were beautifully decorated by Geo. Craig. All regretted the inability of Mr. Joseph Kift senior to be present.

On Wednesday morning another delegation of Messrs. Craig's and Kift's friends met them at the Pennsylvania railroad depot previous to their departure for New York, accompanied by their respective families. A. BLANC.

Philadelphia Notes.

Looking in upon Mr. Mingeay at Fairmount Park recently, he was found as usual to be doing a very great deal of high-class bedding. He does not appear to indulge in clocks or sun dials or globes at all, but most of his beds are filled with plants presenting binary or ternary arrangements of color. As in some previous years by far the most beautiful beds are those near Horticultural Hall filled with

crotons, and others planted with an assortment of cereus and succulents. These are astonishingly rich and effective, too rich almost to be consonant with the somewhat mediocre shrubbery and herbaceous borders behind them. Such bedding harmonizes best with the very highest class of architecture or sculpture.

The sunken panel of bedding at one end of the conservatory looks very gay indeed with the usual line of bedding plants, *Iresine Lindenii*, *Stevia variegata*, *Coleus Verchaffeltii* and yellow coleus was a combination noted in one bed. Then a round bed of geraniums. Following was another long bed of variegated abutilon and acahypha. Then a round bed of pink geranium, and so on through the panel, with changes of plants and arrangement of color. Blue ageratum, white geraniums, pink flowered silver-leaved geraniums, and alternantheras of various sorts were in great abundance and all looking well. I understood from one of the gangs at work that no man among them other than the foreman had ever bedded a plant before this season. It must be exceedingly pleasant to be obliged to break in a fresh gang every year and how very accomplished they must become with such an experience. There is but little that they would not undertake after a training in one of these great parks.

Mr. Minge has moved his nelumbiums from the vicinity of the "Hall" to a pond further away, and they have been prompt to seize upon and appropriate the whole surface. He says he likes to transplant them as early in the spring as possible, taking care however, to plant tubers with well developed leads. It may not be quite understood that tubers destitute of eyes are like dahlia tubers so deficient, almost impossible to grow early in the season.

To one who had not seen the palms since they were planted in 1876, the growth was very marked indeed. The livistonas reach the lofty roof, and are I fancy the finest in the country. No tub specimens can at all compare with them. The same may be said of all the planted out collection; their rate of development has been but little behind that of plants in the tropics. I had not time to examine the arboretum as I was informed that it would be necessary to take in the whole park to gain any comprehensive idea of it. In the vicinity of the art building there is a collection of oaks, and another of conifers and so on, but none of them very comprehensive or instructive. I saw specimens about 20 feet high of *Pseudo-larix Kämpferii*, *Cedrus Libani*, and *C. Deodara*, the latter not particularly happy. Philadelphia lost a good opportunity, when she neglected to plant the exhibition site in an instructive manner.

Quite a great many herbaceous plants are grown in the shrubbery beds and borders, but in a heterogeneous way. Irises make a show as a genus, but there has been no attempt whatever to concentrate the possibilities lying within the compass of a single flowering month. It is almost as if someone arranging a show of chrysanthemums should arrange it principally with plants passed out of flower, with a few late ones coming into flower, and here and there a mid-season flower in full beauty. You can't get the best results from herbaceous stuff in any such way. The "old border" is as old as the Plymouth colony and older, but very few indeed have succeeded in rendering it a thing of beauty on the miscellaneous plan. As Mr. Kellar remarked in a late letter, the people need to see them grow-

ing and "flowering," not only as individuals, but with the effects they are certainly capable of.

At West Philadelphia I saw Mr. Anderson for a few minutes; he was earnestly contemplating a splendid breech-loader, and seemingly bothering but little about roses. His fine ranges of glass, however, betokened that he thinks a great deal, and not only thinks, but has his thoughts carried out. Immediately opposite is one of the grand old veterans of the trade—John Dick. There must be numbers of men all over the country who will be pleased to hear that he is still quite well although over 80 years of age. His greenhouses, so long a landmark at West Philadelphia, are now all cleared away. He made a suggestion far too sensible and practicable for politicians, and wished me to write it—to the effect that the city should remove all the bodies from the inter-urban cemeteries, to the upper end of Fairmount Park, thus acquiring ground of great use as pleasure ground, and occupying that which is inaccessible and of little use. There is no doubt I think but cities should acquire the old cemeteries and improve them, whether they make any removals or not. [This is being done in London, and agitated in New York.—Ed.]

Mr. Waterer was another gentleman whom I met. He tells me his father has a great many varieties of *Rhododendron maximum*, the late flowering species native to the hilly bluffs along the rivers from Georgia to Nova Scotia. They have not been much tried, or known in this country. He also spoke of the brittleness of the stocks of some species—maximum among the rest, rendering them unfit for working the hardy varieties upon. *Catawbiense* is just as brittle as any I think, but it ought to be possible to get a hardier stock than many of the hybrid seedlings.

JAS. MACPHERSON.

Buffalo.

At last rain has come, and if ever it seemed to fall from heaven upon the earth beneath it was last week. It ought to be ideal carnation weather now, for it is moist and cool. Can't say much about business. There is just about what is expected for this season. Some of the florists' windows are gay with lancifolium lilies and the gorgeous auratum. The home cut of Beauty is about sufficient for all demands. Carnations are coming in yet, good in quality but in much diminished quantities. A young man passing through here from Chicago said we kept a much better show in our store windows than they did in that big city. I have heard this remark before, and begin to believe it. I think it pays to make an attractive window every day in the year. It's ten times better than any newspaper "ad" for the retailer.

Thursday last was the first regular meeting of the shooting team which was to shoot at Pittsburg. We were hindered and nicely wet down by one of those welcome rains. Yet the practice was fair, each man shot at 75 Peoria blackbirds, eighteen yards rise, known angles, 12 gauge guns. Our conveyance was not on a tallyho like our lucky brethren of Philadelphia, so happily pictured in last week's issue; it was the plebeian trolley car. The score was as follows: Out of 75 birds H. Kreshover broke 73; G. McArthur, 71; Wm. Scott, 50; Philip Corkscrew Scott, 49; G. Troup, 48; C. Henson, 45; D. B. Long, 44; Prof. Cowell, 39. Mepsted, Adams, Belsey and Christenson each tried a shot, but as they

came near firing into the crowd the guns were taken away from them. and Christenson remarked, as he led Mepsted arm in arm to the tent, "My dear boy, we can bowl if we can't shoot," and bowl they did in a certain way. The excellent shooting of the two first mentioned can be accounted for by their living close to the grounds and having practiced many summer evenings. The score of D. B. Long was perhaps the most remarkable, as he had never shot at a flying target before, and missed his first 20 birds. All at once he seemed to tumble to the trick, and after that he fairly pulverized them.

On the 9th of August the florists are to have their annual picnic. It is to be down the river to the Bedell House, a select resort. The attendance of the ladies will be a special feature, and nothing will be left undone to make our better halves happy.

W. S.

Toronto.

Canada, until after the World's Fair, was supposed to be a country whose chief productions were bears, red Indians and icebergs. Among other things, however, at the Fair were exhibited a fine collection of specimen stove and greenhouse plants, some of them being unexcelled there. Now Mr. Houston, head gardener of the Central Prison here in Toronto, has proved that the Amazonian *Victoria regia* can be grown and flowered in the open air in Canada. The plant is not a miserable homesick looking thing either, but is healthy and well favored, having five or six leaves four, five and six feet in diameter and very large flowers. The seed was sown on the 18th of February, and the first flower opened during the third week in July. I think Canadians may be excused for tooting their horn a little over this occurrence. The other lilies (nymphæas) in the pond, which is a large circular one 60 feet across and built of stone, are also in very fine order too, and flowering profusely, there are ten or twelve varieties, the grand *Victoria* in the middle.

We had about six hours' steady rain the other day, which has greatly improved the appearance of everything.

At a meeting of the Horticultural Committee of the Industrial Exhibition, which opens here on the 2nd of September, the single judge system prevailed, and Mr. F. G. Foster, Hamilton, was chosen as judge of plants, and Mr. R. Flowerday of Detroit of cut flowers and designs. Alternatives were named, but it is much hoped that these two gentlemen will act in any way possible.

Cattleya Dowiana var. *chrysotoxa* is again flowering at the Normal school greenhouses. I think it is the most beautiful of all the cattleyas, pity it is such a shy bloomer; it wants a warm corner of the stove and should be well ripened off after the growths are fully made, even then it does not care to bloom every year, but when it does flower it is worth all the time and trouble.

Reservoir Park looked fresh and beautiful the other day, but still showed the effect of the long drouth in places. Mr. Reeves goes in specially for subtropical bedding and does it well. Some carpet bedding is also done, "Sol's clock" being very pretty and effective. The greenhouse plants were not looking quite so well as I have seen them other years, although there are some very fine specimens, especially the big cypas which was at the World's Fair; it has just thrown out about eighty leaves.

I hear that Mr. W. J. Laing has laid



GROUP AT THE RECENT PICNIC OF THE ST. LOUIS FLORISTS' CLUB.

formal charges against the Commissioner of Parks and Gardens with the committee of the city council, but the matter has not been brought up yet. If there is no more in the charges than I hear there is Mr. Laing will not make much out of them. One of them is that in 1887 the commissioner supplied the plants and planted a bed or two in the church yard of the church he attends, and the others are about on a par with this.

I hear that the full single fare from Toronto to Pittsburg is \$7.40, and the return fare will be a third of this on presentation of certificate at Pittsburg. Sleeping car \$2.50 from Buffalo. Surely Canada ought to be well represented at the convention this time. E.

St. Louis.

The business this week is on a standstill, nothing doing at all. The only thing one could hear the past week was the query "are you going to the picnic?" Some good roses are coming in now and bring 3 cents, carnations bring 1 cent, and outdoor stock can be bought at the buyer's price.

Wednesday, July 24, most of the florists closed up and with their families went to the picnic.

Reissen Floral Co. have a contract to furnish the Planters' Hotel with 75 bouquets every Sunday morning; this is a good summer job.

A heavy rain storm caused immense damage to trees and shrubberies in Forest and other parks. Trees were torn up by the roots and scattered across the drives, fences were blown down and flowers leveled to the ground.

THE PICNIC.

It was the biggest picnic held this season at the Highlands; two hundred florists, their families and friends attended and enjoyed themselves. Carl Beyer was the lucky man of the day, he won four prizes, and the next man was Chas. Young, who won two prizes. The bowling alleys were kept going all day long, and some good scores were made, but

when it came to rolling for the prize they were not in it. The committee deserves great credit for their efforts in making the picnic a grand success. No unpleasant incidents were reported. All the contests were watched with the closest attention by the big crowd. At 4:30 p. m. a photograph was taken. We then had supper, after which the bowling contest commenced. Owing to the large number of entries a rule was made the one not making 125 or over was to be ruled out of the next two games. Eleven men only rolled the games out of 26 entries. Here are the events and the lucky winners:

FROM 9 A. M. TO 12 M.

Three legged race, open to all, prize two pairs gloves. Won by Albert Brunner and Carl Beyer.

Fifty yard dash for boys 15 years and under, prize foot ball. Won by Harry Ellison.

Game of quoits, prize box of cigars. Won by Chas. Young.

Potato race for boys and girls 15 years and under, prize for boys league ball and bat, prize for girls silver belt buckle. Won by Frank Fillmore Jr. and Miss I. Jungel.

Thirty yards dash for men 40 years and over, prize hat. Won by Harry Young.

FROM 2 P. M. TO 4 P. M.

One hundred yards dash, open to all, prize silk umbrella. Won by Wm. Carney.

Egg and spoon race, ladies and girls, prize gold blouse buttons. Won by Miss Gertrude Brunner.

Running broad jump, open to all, prize gold link cuff buttons. Won by Carl Beyer Jr.

Tug of war, open to all, prize box of cigars. Won by Capt. Fred Weber's team.

Clay pigeon shoot, St. Louis Gun Club, 1st prize combination silver ink stand, 2nd prize silver flask. First prize won by Chas. Young, second prize won by E. W. Guy, Belleville, Ill.

FROM 5 TO 9 P. M.

Bowling contest, open to all, first prize for highest average gold watch, given by the Riessen Floral Co., second prize for highest single score gold watch chain and charm. First prize, highest average, won by C. Beyer; second prize, highest single score, C. Beyer.

BOWLING.

Names	1	2	3	Total
C. Beyer	226	152	211	589
F. C. Weber	177	150	164	491
J. J. Beneke	131	150	178	459
E. Schray	180	149	129	458
F. Fillmore	144	155	135	434
R. Beyer	162	142	127	431
H. Young	128	126	168	422
A. Waldbart	138	108	162	408
C. A. Kuehn	147	144	115	406
C. C. Sanders	148	108	132	388
J. W. Kuuz	130	123	135	388

J. J. B.

Chicago.

The proposition to make Evanston a park district failed to receive a majority vote at the recent local election, and the matter will have to lay over till next year. It is said that many who voted against the proposition thought that too much taxing power would be given the commissioners. The proposition will probably be amended so as to meet this objection, and submitted again next year.

The several legal objections to the filling in of the lake front have now all been met, and work will begin. The Secretary of War has given formal consent covering all points named by the objectors to the work. The first step will be the building of a wall along the outer line of the proposed park. This will extend from Twelfth street to Randolph street, and will cost about \$60,000.

Mrs. M. Mailander, formerly with F. Kirchoff, has opened a floral store at 743 North Robey street.

N. G. Axtell is supplying the market with sweet peas of extra quality. Mr. Axtell does not confine himself to the familiar varieties usually sold, but grows and tests all the choicer sorts, having this year about forty kinds on his one-acre space. Among those in fine bloom at the present time are Mrs. Sankey, white, which, however, he thinks will be superseded by Emily Henderson; Mrs. Eckford, pale sulphur, which supersedes Primrose; Splendor, a most magnificent crimson, the wings tinged magenta; Countess of Radnor, light lilac, and Emily Eckford, magenta lilac standard, violet wings. We were especially impressed by Splendor; its brilliance should make it very valuable as a cut flower. All were finely grown. Mr. Axtell has been troubled of late by a species of rust attacking the flowers; we have not had any previous report of this trouble, and it will be a matter of interest to sweet pea growers.

Mr. James B. Kidd, of the Sunset Seed and Plant Company, left Chicago July 31 on his homeward trip via Denver.

J. B. Deamud is spending his vacation in Northern Michigan.

Visited Chicago: Edwin Pratt, Kansas City, Mo.; R. Roy Davis, Morrison, Ill.; Geo. Souster, Elgin, Ill.

The market remains unchanged, conditions being substantially the same as last week. Rose stock is a little improved in quality, but there is a good deal of mildew on some sorts. Two or three nights this week the weather has been quite cold enough for fires, hence the crumpled and discolored foliage. Prices are the same as last week. Of outdoor stuff there are some excellent gladiolus at 35 cents a dozen, hollyhocks are plentiful, and there is an increase in the supply of asters. The latter sell at 40 to 75 cents a hundred; they are not by any means over-supply as the black blister beetles have attacked them with more than usual voracity. Some growers report the loss of their entire crop from this cause. The only remedy is hand-picking into a vessel containing kerosene, and this is rather an expensive job, unless there is an ample crop of small boys in the neighborhood. Grasshoppers are also reported as causing serious damage to carnations and chrysanthemums, and one disconsolate grower reports that after devouring his stock of these two plants the hoppers then turned their attention to his smilax house and proceeded to demolish its contents. Mr. Scott's chicken cure seems to be needed in our neighborhood.

Only three members of the Bowling Club were present at the alleys last Thursday evening, but some excellent scores were made. The club's medal for highest average now goes to Mr. Grant. Following are the scores:

						Average
J. S. Wilson	175	201	210	193	131	182
Chas. Held	192	211	203	214	121	194
G. L. Grant	189	209	247	199	216	212

Shooting at Pittsburg.

We see by a short paragraph in the Pittsburg notes that the committee has decided to drop the shooting contest. It would be exceedingly bad taste for outsiders to dictate or even suggest to our most hospitable brothers in Pittsburg what they should do in the way of amusements, and as there are no challenge cups and banners to be fought for at shooting, as there are at bowls, the shooting can, at the discretion of the local club, be dropped. Furthermore, good reasons are given for letting the contest drop. Yet with all that it is a great disappointment to many. The writer knows a dozen men in this and other cities who have looked forward to the shooting with the keenest pleasure. They have bought guns, spent many hours in practice, and prided themselves that by the 23d of August they could not miss a bird. Now this news comes on them like a thunder clap, and their occupation's gone. As it was conducted on the pier at Atlantic City last year it was conceded by all to be a most pleasing part of the recreation side of our convention. For spectators it is far more attractive than bowling. Who does not enjoy seeing the crack shots, Dorrance and Burton, stand up with their eagle eyes and smash those inanimate targets? And the opposite is enjoyed when the hunter from the western prairies makes a clean score of 25 (missed). The shoot at Pittsburg was going to be an enthusiastic affair, and many a man went home from Atlantic City saying to himself "They won't laugh at me next year." As previously said we must bow to the discretion of our Pittsburg friends, but if there was such a thing as a com-

mittee reconsidering their action we almost pray that it may be the case in regard to shooting at Pittsburg.
Buffalo. CLAY PIGEON.

Judging Novelties.

ED. AM. FLORIST:—I have read with much interest and a good deal of surprise the rules as published in your paper laid down by the N. Y. Florists' Club governing the exhibition of novelties in plants and cut flowers before that society. This is acknowledged the strongest and most important club of its kind in the country, and if its object be to discourage and hinder the proper presentation of new plants and cut blooms before its members then these rules and regulations will certainly accomplish the end in view.

The first rule demands that the initial exhibit of a novelty must be made before this club; we would respectfully like to ask *why*? Why should the members of the N. Y. F. C. object to review, to condemn or to commend the action of some other body of florists who, perhaps, may have had the opportunity to pass judgment upon a novelty exhibit before it has been presented to the N. Y. F. C.

Rule 6 builds a Chinese wall around the growers or originators of novelties in the vicinity of New York; of course the outsiders may scale the wall if they have sufficient courage, but the rule seems to read come if you care to, but we would a good deal rather you staid outside—and this from the center of floriculture of the continent! On the other hand there are a number of members of this very club who could not be induced to purchase a novelty, either in large or small quantity, until they had seen the plant or the bloom in order to have substantiated the statement of the originator.

What particular good will come of a committee traveling over the country to examine the stock of a new plant? If a new hydrangea, pelargonium, palm or other novelty plant be presented what is to hinder judgment being passed upon it? Supposing it to be necessary to go about and examine roses and carnations as they are growing in the bench or the field; it would be needful that two or three trips should be made, for if the owner of the novelty were allowed to arrange for the visit he would certainly see that the committee should be shown his product when at its very best.

If a suggestion might be offered, why not insist upon a plant or a number of plants being put upon exhibition with the flowers? If the N. Y. F. C. are earnestly seeking to find out what is really worthy and meritorious in the way of new plants and cut flowers, it seems to the writer that they will certainly have to widen their gauge so as to include a trifle more territory than that immediately adjacent to New York City, even far away California having aspirations in the way of novelties occasionally. It would seem that no matter where a meritorious new rose, carnation or other plant were originated it should be one of the objects of a body like the N. Y. F. C. to ascertain the facts concerning it, give the originator the credit due him, and, as soon as possible, give full information to its own members in regard to it. It has been the formulated theory, oft proclaimed, that New York society and New York florists and cut flower men were the final arbiters of the destiny of a new plant or flower; we have been told again and again that if it "took" in New York it would "do;" if not its fate was sealed; well, how can

benighted outsiders know what will take in New York if their products are debarred entrance by such rules. Who likes to go supplicating a certificate with so doubtful a welcome awaiting one? X.

New California Pelargoniums.

A number of seedling pelargoniums were recently exhibited by J. H. Sievers before the California State Floral Society. In each case the seedlings were shown and judged by the side of blooms of the parent grown under similar conditions, an excellent idea in exhibiting seedlings. In each case improvements could be readily discerned, in size especially, in form and in number of petals. In Mrs. O. W. Childs, from Dorothy, the color is entirely new and very beautiful; Mr. Worthington also differs from the parent in color, which is new and distinct. In the white varieties a decided change is shown from cream to a pure dazzling white.

Mrs. O. W. Childs, a seedling from Dorothy, is an entirely new and distinct variety; it has handsome trusses of extra large fluted flowers of rose pink color, with scarcely any markings on petals. Mrs. J. Striening, from the fine old variety Mme. Vibert, is larger, of a different shade of red, and has a broader margin than the parent. Innocent and Purity are both seedlings from Volante Natioreale Album, each differing in degree of whiteness. Innocent has flowers of great size, an extra number of large petals beautifully fluted, the white of clearer tone than Volante. Purity is more like the parent in form, but a purer white. Anita, from Pilot, differs from it in color, being a rosy pink, upper petals blotched with velvety crimson shading outwards to rosy pink edges. It was the largest of all the specimen submitted. Katie IIs, a double pelargonium of good size, is a seedling from Empress Frederick. It has camellia-like double white flowers of good substance. Alexander Crow is a sport from Bush Hill Beauty, which is a seedling from Mme. Thibaut. It is considered superior to both in form and color, of the same type, only more double; edges more fluted, coloring more brilliant. J. H. Sievers is a seedling from the fine variety Empress of India, and from specimens submitted surpasses it in color, which is a brilliant salmon scarlet blotched with crimson in two upper petals. Mrs. S. P. Hart is a large white pelargonium with maroon feather in upper petals; seedling from Louise Arner, a California seedling, which it exceeds in size and brilliancy of color. Mr. Worthington is a seedling from Prince of Pelargoniums; it differs from it in every way, and is a distinct variety. F. S. Bush, raised from Milton, is distinct and of larger size, but not an improvement on the older variety in the opinion of the committee. La Belle: Origin unknown; could scarcely be judged from specimens obtainable so late in the season. Miss E. G. Britton, probably from Jubilee, differs from it, and is large flowered, with undulating petals, color delicate salmon pink; upper petals blotched carmine, lower ones slightly feathered; sometimes called the Butterfly.

This showy class of plants seems to be receiving more attention in California than in other parts of the United States. With the production of meritorious seedlings suited to our climate we may see a great increase in its popularity.

ROCHESTER, N. Y.—Attachments amounting to \$18,586 have been levied against A. D. Pratt, nurseryman, 112 Court street.

THE AMERICAN FLORIST

Subscription \$1.00 a Year. To Europe, \$2.00.

Advertisements, 10 Cents a Line, Agate;
Inch, \$1.40; Column, \$14.00.
Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times, 5 per cent; 13 times, 10 per cent;
26 times, 20 per cent; 52 times, 30 per cent.
No reduction made for large space.The Advertising Department of the AMERICAN
FLORIST is for Florists, Seedsmen, and dealers in
wares pertaining to those lines ONLY. Please to
remember it.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure
insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Worcester, Mass.

A slight improvement in trade is noticeable, but whether it is a sign of improvement or simply a little flurry is rather hard telling. Plenty of good flowers are coming in, among them some very fine asters. Good Brides, Mermets and Perles are getting more plentiful, and some good gladioli are in. We are getting plenty of rain and outdoor stuff is looking splendid, carnations are doing especially well.

Exceptionally fine sweet peas were shown at the horticultural exhibition July 25, and the best varieties to be obtained could be found in nearly every collection. The displays of A. A. Hixon, F. A. Blake and H. A. Jones were awarded first, second and third premiums in the order named. Some very fine Phlox Drummondii were also shown. The display of bollyhocks was rather poorer than usual on account of the prevalence of the disease in this vicinity. Cut flowers, verbenas, dahlias, etc., made up the balance of the show, which was above the average.

Stephen Salisbury will build an additional greenhouse 80x20 feet with an L 12x45 feet, the frame work will be of iron and the house will be 14½ feet in height; this is a private place.

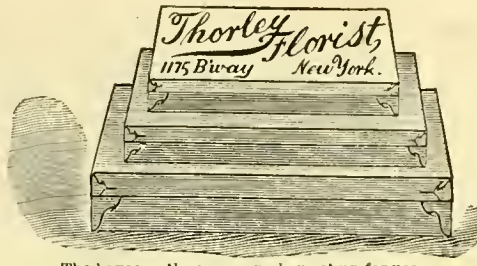
C. A. Keyes will build a 16x23 feet addition to his greenhouses on Highland street. A. H. L.

PITTSBURG, PA.—The Patrick bank building, on Fifth avenue, has been sold by the sheriff. It was bought by A. M. Murdoch of the well known firm of A. M. & J. B. Murdoch. The building will be remodeled and fitted up in a style unapproached by any flower establishment in the country, and will be used for the sale of cut flowers exclusively. The old store on Smithfield street will be continued. It is expected that the new store will be opened in October.

SPRINGFIELD, MASS.—William Schlatter & Son is a new florist firm at Bay street and Oak Grove avenue, opposite to the principal entrance of Oak Grove Cemetery. They have in course of construction two greenhouses, one three-quarter span 20x75 and one lean-to propagating house 5x75, heated by hot water. The business will be a general one, principally in decorative and bedding plants.

ASPENWALL, PA.—Ernst J. F. Zieger is successor to Zieger Bros. H. B. Zieger, the retiring partner, has established a business under his own name and has built four houses, of which three are 20x100 each and one 10x100, all for growing cut flowers.

SEND ADVS. now for our convention number to be issued week after next.



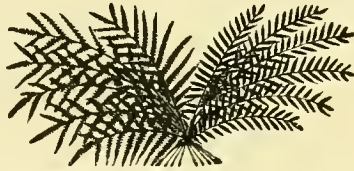
The boxes as they appear when set up for use.

We make them in a sufficient number of sizes, including for violets, to meet all necessary requirements.

THE NATIONAL FOLDING BOX & PAPER CO.,NEW YORK SALESROOM:
132 & 134 Franklin Street.

315--325 Congress Ave., NEW HAVEN, CONN.

When writing mention the American Florist.

**Hardy Cut Ferns,
BOUQUET GREEN,**Laurel and Green Festooning, Wreaths, Etc.
SPHAGNUM MOSS IN ANY QUANTITY.**H. E. HARTFORD, 18 Chapman Place, BOSTON****Wire Work.**

work and style. Send for Catalogue.

Harrisii Bulbs now ready.

Now is the time to lay in your stock of wire
designs for fall and winter. We are **WAY**
DOWN in price and **WAY UP** in quality of**ALL FLORISTS' SUPPLIES.****ELLIS & POLLWORTH, Box 75, Milwaukee, Wis.**

Send Advs. Now

FOR OUR

**CONVENTION
NUMBER,**

TO BE ISSUED

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A complete line of Wire Designs.

Cycas Leaves. FRESH CUT
each 75c.**VAUGHAN'S SEED STORE, P. O. Box 688, Chicago.****THE NEW YORK
CUT FLOWER CO.**

The above company, composed of the leading growers in the vicinity of New York, are now prepared to arrange for selling Cut Flowers of every class on the co-operative plan, and invite all growers to join us; guaranteeing them the best prices obtainable according to the market rates, and full returns for the same weekly.

**OUR MOTTO: Fair Dealings, Open Books
and Prompt Payments.****PROFITS DIVIDED PRO-RATA.**

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CUT FLOWERS, PALMS AND FERNS**

FRESH CYCAS LEAVES 75 cts.

ASPARAGUS PLUMOSUS 40 cts.

SPECIOSUM LILIES, 3 cts.

TRY OUR LIQUID PUTTY.

Box 87,

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Wholesale Florist
4TH AND WALNUT STREETS,
Cincinnati, O.****SAMUEL S. PENNOCK,
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WHOLESALE FLORIST
 68 Lake Street, CHICAGO.
WHOLESALE CUT FLOWERS.
SEEDS, BULBS AND ALL
FLORISTS' SUPPLIES.

During July and August our store will not be open after 6 p. m.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS,
 and **FLORISTS' SUPPLIES.**
 34 & 36 RANDOLPH STREET,
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T. J. CORBREY,
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If you want First-Class Flowers, properly packed and delivered on time, send me your orders and you will get what you want.

We are now prepared to furnish Florists' Wire Designs and a full line of Florists' Supplies.

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 51 WABASH AVENUE,
 Telephone Main 4937. **CHICAGO.**
 Our Roses best them all, in quality.
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SHIPPING TRADE OUR SPECIALTY.
 Give us your orders.

ROGERS PARK FLORAL CO.,
Wholesale Growers of
CUT FLOWERS,
 41 WABASH AVENUE,
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We are prepared to fill your orders with first-class flowers. Give us a trial order.

Asparagus Plumosus Nanus.
 Cut Strings, 8 to 10 feet long,
 50 CENTS.
 W. H. ELLIOTT, Brighton, Mass.

Wholesale Markets.

Cut Flowers.

NEW YORK, July 30.	
Roses, general list	1.00@3.00
" Beauty extra per 100	5.00@10.00
" " ordinary	1.00@2.00
Carnations, ordinary	10@.35
" extra	.50@1.10
Valley	2.00@4.00
Auratum lilies	3.00@6.00
Asters	.20@.25
Gladolus	.50@2.00
Smilax	10.00@15.00
Adiantum	.75@1.00
Asparagus	50.00
BOSTON, July 30.	
Roses, general list	1.00@4.00
" Beauty	5.00@25.00
Carnations	.25@.50
" extra	.75@1.50
Asters	.15@.25
Valley	2.00@4.00
Sweet peas	.10@.15
Adiantum	.75@1.00
Smilax	12.00@15.00
Asparagus	50.00
PHILADELPHIA, July 30.	
Roses	1.00@4.00
" Beauties	15.00
Carnations	.25@1.10
" short outdoor white	.50
Asparagus	35.00@50.00
Valley	3.00
Cattleyas	25.00@35.00
Sweet peas	15.00@25.00
Smilax	15.00@25.00
CHICAGO, Aug. 2.	
Roses, Beauties long	15.00
" short medium	6.00@8.00
" Large teas	2.00
" select	3.70
Carnations	.50@1.00
Gladolus	3.00
Asters	.35@.75
Coreopsis	.15
Gallardias	.35
Sweet peas	10@.20
Smilax	8.00@10.00

GEORGE A. SUTHERLAND,
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 METS,
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 84 Hawley Street,
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 HORTICULTURAL AUCTIONEERS.

WELCH BROS.,
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 NO. 2 BEACON STREET,
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The Boston Flower Market
 is prepared to purchase, on order, and ship Trade orders for Cut Flowers at prices ruling in the market on day of sale. TERMS STRICTLY CASH.
 Address **GEORGE CARTWRIGHT, Mgr.,**
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 49 WEST 28th STREET,
NEW YORK.

SPECIALTIES FOR SUMMER
SHIPPING:
AM. BEAUTY,
METEOR,
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SWEET PEAS. EXTRA SPECIAL.

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Cut Flowers,

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Roses Shipped to all points. Price list on application

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Careful Shipping to all parts of the country. Price list on application.

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WHOLESALE,
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The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. E. BRIGGS, Pres.; T. W. WOOD, 1st Vice-Pres.; ALEX. ROGERS, 2nd Vice-Pres.; A. L. DON, 114 Chambers St., New York, Sec'y and Treas.

Closing of the Government Seed Shop.

The recent decision of Secretary Morton, which will practically shut up the seed distribution division of the Agricultural Department October 1st next, is one for which the Secretary deserves the highest praise from the seed trade of the country, as well as from all right thinking citizens. That such an inexcusable abuse perpetrated for so many years upon the long-suffering seedsmen is to be finally buried is a matter for congratulations and rejoicing. To Mr. Enos S. Harnden, the able purchasing agent of the department, is certainly to be extended no scant measure of thanks for assisting in a most unselfish and broad-minded way in bringing about the final collapse of this ancient and inexcusable abuse.

Opinion of the Attorney General under which the Secretary of Agriculture will discontinue the free distribution of seeds October 1 next.

DEPARTMENT OF JUSTICE.

WASHINGTON, D. C. April 20, 1895.

THE HONORABLE,

THE SECRETARY OF AGRICULTURE,

Sir:—I have the honor to acknowledge yours of the 18th instant, in which you call my attention to a portion of the act making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1896, and approved March 2, 1895, and running as follows: "Division of Seeds—Purchase and Distribution of Valuable Seeds and for the Printing, Publication, and Distribution of Farmers' Bulletins: For the Purchase, Propagation and Distribution as required by law, of valuable seeds, bulbs, trees, shrubs, vines, cuttings, etc., one hundred and eighty thousand dollars."

You make two inquiries, as follows: "Can the Secretary of Agriculture legally purchase any other seeds than those described in Section 527 of the Revised Statutes, to-wit, 'seeds rare and uncommon to the country, or such as can be made more profitable by frequent change from one part of our own country to another,' under authority of the Act of March 2, 1895?"

"Would it be proper and lawful for the Secretary of Agriculture, in view of the verbiage of the Act of March 2, 1895, the wording of Section 527 of the Revised Statutes, to advertise for proposals to furnish the Department of Agriculture seeds, bulbs, trees, vines, cuttings, and plants 'rare and uncommon to the country, and for such as can be made more profitable by frequent changes from one part of our own country to another,' reserving the right to reject any and all bids?"

1. The seeds purchasable under the Act of March 2, 1895, are limited to those described in Section 527 of the Revised Statutes—there being no reasonable ground for claiming that the Act of March 2, 1895, operates, or was intended to operate as a repeal of the earlier statute.

2. It is not obligatory upon the Secretary of Agriculture to purchase seeds, trees, etc., conformably to Section 3709 of the Revised Statutes, it is certainly competent for him to make the purchases conformably to said statute, the right to reject any and all bids being reserved. But the term of the question is such that I think it proper to call attention to the fact that while seeds purchased must be such as are "rare and uncommon to the country or such as can be made more profitable by frequent changes from one part of our own country to another," the trees, plants, shrubs, vines, and cuttings to be purchased are such "as are adapted to general cultivation and to promote the general interests of horticulture and agriculture throughout the United States."

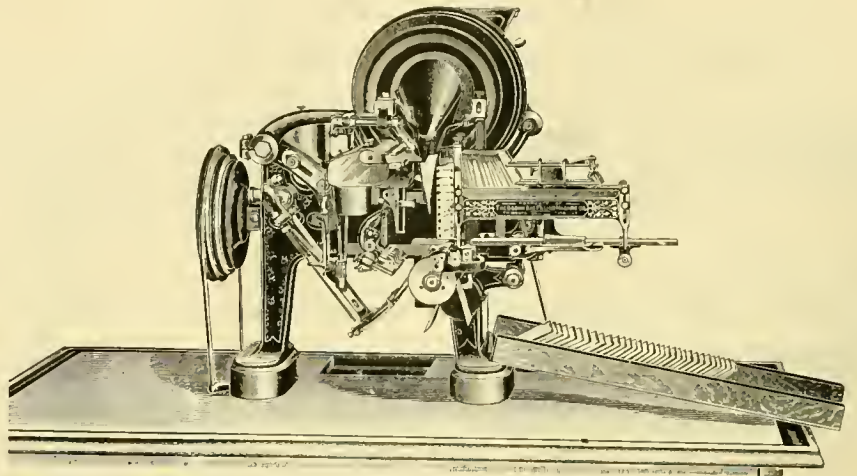
Respectfully yours,

RICHARD OLNEY, Attorney General.

Changes in the Seed Business.

Mr. Jerome B. Rice in a private letter mentions some of the remarkable changes which have taken place since the establishment of their business by R. Niles Rice in 1845, who at that time succeeded his cousin, Roswell Rice, whose business had been commenced in 1832.

Mr. Rice says: "In looking over some of my father's old books I found where he



THE BROWN BAG-FILLING MACHINE.

had an account with an eastern seedsmen, selling him Hubbard squash seed by the barrel at \$1 per pound, Long Green cucumber at 50 cents, Mountain Sweet water-melon at 60 cents, Blood Turnip beet 37½ cents, Extra Early peas \$6.50 per bushel." He says "we do not seem to be getting those prices these days. The prices on seeds in bulk are going into the ground as fast as they possibly can, and there is an inclination or disposition on the part of some of our seedsmen, seemingly, to sell goods, profit not being considered, and in many instances goods are offered and sold by some of our large wholesale houses at prices that barely cover cost. I regret that the seed trade is in such a position, and wonder how good business men can think of selling with a margin so small."

The Brown Bag-Filling Machine.

We present herewith a cut of the Brown Bag-Filling Machine, which is now coming into general use among seedsmen for putting up seed packets. It consists of a cylindrical elevating hopper which pours a quantity of seed upon a measure; the measure in discharging passes under the edge of a piece of soft rubber by which the surplus seed is brushed off, leaving a strict measure, which can be accurately gauged as fine as a grain or less. The empty bags are placed in the guide-box at the right to the number of three hundred or more. The gum is applied from a gum-pot that faces them on the left. A reciprocating arm, carrying a tunnel, opens each bag in turn and the seed is discharged at the same time through the tunnel into the bag. The bag is then seized squarely at the bottom by another arm which lowers it to the folding bed where the flap is turned and held under firm pressure until it sticks fast, the bag not being released till the fourth bag has been sealed. It then passes into the delivery chute dry and ready for packing.

By this means the bag is practically untouched and the paper is not wet with paste, soiled, bent or broken in any way till it is ready for the customer. With the help of the bag-making machines now in use the paper passes from the lithographer to the filled bag without handling, and in addition to its symmetrical appearance the bag is necessarily in better condition and longer lived than by the old process, which latter fact is already demonstrated. It is built by the Brown Bag-Filling Machine Company of Fitchburg, Mass.

Seed Crops.

Onion sets are reported a good crop in the vicinity of Philadelphia and a fair crop about Chicago. The Michigan bean crop has improved during the past ten days, with the present outlook for 75% of a crop, with favorable fall weather the entire crop should be satisfactory. Burpee's bush Lima bean is having a little boom. Onion according to some California growers will not yield as well as expected. Red Wethersfield is firm. Sweet corn and vine seeds promise well.

VISITED CHICAGO.—Henry A. Salzer, Col. W. S. King, H. A. Johns, Louis Gœpinger.

THERE IS A growing demand for Essex Rape as well as crimson clover.

COLLECTIONS FROM the smaller country dealers in seeds are reported slow.

MESSRS. JEROME B. RICE and A. H. Goodwin attended the recent Annual Convention of Bankers at Saratoga.

W. ATLEE BURPEE & Co. have received a first-class premium from the Société Nationale d'Horticulture de France for their new dwarf sweet pea Cupid.

Greenhouse Building.

North Woburn, Mass., McFeeley & Greenleaf, one greenhouse;

Springfield, Mass., Fairfield & Buckle, three houses.

New York City, P. Denyse, 79th street, house 44x116.

Wappinger's Falls, N. Y., Dr. Baxter, one house.

Montreal, Quebec, Jos. Bennett, one house, 150 feet.

Patents Recently Granted.

Fruit picking machine, Anthony Wyble, Carmel, assignor to P. M. Thomas, Charlotte, Mich.; stand for lawn sprinklers, Nicholas L. Rigby, Los Angeles, Cal.; Automatic sprinkler, Daniel Turner and Charles J. Gardner, Philadelphia, Pa.; Hose coupling, Wm. Curlett, San Francisco, Cal.

LAPEER, MICH.—W. H. Watson has built a new house 25x40, and is now putting in a 40 horse power boiler to work in connection with a 30 horse power boiler now in. He is also repairing three old houses and building one 24x125, one 25x50 and one 14x50, using buttled 16x24 glass with cap on bar.

“WHAT'S IT FOR?”

This question has been frequent the past few days around “WATSON'S CORNER,” at 43 North 10th St., Phila., the cause of the curiosity of the callers being a shipment of

Cocoa Nut Fibre

from Europe Many florists have yet to learn of the value of this material for lightening up the soil in composting, for starting Palm seeds, and for various other purposes. The palm growers around Phila. use it quite considerably. I have a few bags left unsold out of the above mentioned shipment and will sell low while stock lasts. It comes in 4 bushel bags, price \$1.50 each, or where a bale of 6 bags is taken \$1 25 per bag, f o. b. Phila. Mail orders promptly attended to,

Want any Bulbs, Mushroom Spawn or Flower Seeds? Send for my new price list. New season's consignments just commencing to arrive.

NEW CROP SEEDS, ETC.

Smilax Seed, per ounce 25 cts.; per pound \$3.50
Freesia Seed, per ounce 20 cts.; per pound \$3.00

PALM AND TREE SEEDS.

Chamaerops excelsa } per oz. per lb.
Brahea filiferi } 10c 75c
per 100 seeds per 1000 seeds
Phoenix canariensis 35c \$3.00
Phoenix reclinata 50c 4.00
Jocaranda mimosaefolia 20c 1.50

CURED CALLA ROOTS.

1 to 1 1/4-in. diam. per 100, free by express. . . \$2.50
1 1/4 to 1 1/2-in. 35c 4.00
1 1/2 to 2-in. 50c 6.00
Freesia bulbs, run of crop 1/4 in. up, per 1000. . . 2.50

CALIFORNIA SEED, BULB AND PLANT CO.
P. O. Box 549. LOS ANGELES, CAL.

WE ARE HEADQUARTERS ON

BULBS FOR FORCING,
FLOWER SEEDS FOR FLORISTS
ENGLISH MUSHROOM SPAWN.
Special prices on application.

JOHN GARDINER & CO., Seedsmen,
631 Market St., Philadelphia, Pa.

FINEST OF BULBS.

IN ANY QUANTITY TO SUIT.

LILIUM HARRISII now on hand in all sizes.
Regular Illustrated Catalogue will be mailed free to all applicants to

HULSEBOSCH BROTHERS, Englewood, N. J.

H. H. BERGER & CO.
(Established 1878) SAN FRANCISCO, CAL.
NEW PRICE LIST. Send for it.
Headquarters for
FREESIA REFRACTA ALBA,
LIL. LONGIFLORUM,
AURATUMS, and all other Japan Lilies.
ESPECIALLY LOW PRICES FOR EARLY ORDERS.

W. A. MANDA,
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FLORISTS'
Plants, Seeds and Bulbs.
NOVELTIES A SPECIALTY.
The Universal Horticultural Establishment. SOUTH ORANGE, N. J.

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No change for the better has been experienced since last report; an occasional order for funeral work is about the only thing to break the monotony of the dullness in trade. Very few larger orders are coming in, and the store hands are helping out in the greenhouse work, where they are employed in various ways, for the grower can always find work for additional help at any time in the year. The long expected rain, followed by real cool weather, has visited us at last, and everything has freshened up. All field grown stuff was greatly benefited, and now things have a fair chance to grow along.

A visit to Vick & Hill's place at Barnard's Crossing was very interesting to us. They have wrought wonders there; only eighteen months ago their 12 acres of land was a complete wilderness of brush and weeds, and now every foot of it is planted, not a weed to be seen. All stock looks splendid, and is in a remarkably thriving condition. Bouvardia, carnations, etc., are very stocky. Their asters in various stages are far ahead of any others in this neighborhood. Hydrangea paniculata is ready to cut, and in fact there is not a single plant on the place which is not in a strong and healthy condition. Our genial friend Ed. Vick is ever ready to show visitors around, and to finish up will take them to a certain place where neither tables nor chairs are to be found, but where nevertheless the inner man is taken care of.

In regard to our city parks, large and small, no definite action of any consequence has been taken as yet. The park commissioners have not agreed as to the allotment of moneys for each of our three parks, but otherwise it must be said to the credit of our park superintendent Laney and also his principal assistant superintendent Dunbar that both of them have done remarkably well under the circumstances in developing and improving the different features in our parks in every possible way with a comparatively small allowance of funds. In time we undoubtedly shall have parks and parkways which will compare favorably with the finest of this or any other country, if the management continues under these same heads. J. B. K.

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Fine new seed of my unrivalled strain, just harvested; \$3.00 per ounce, 25 cts. per pkt. This is the most popular Mignonette on the market.

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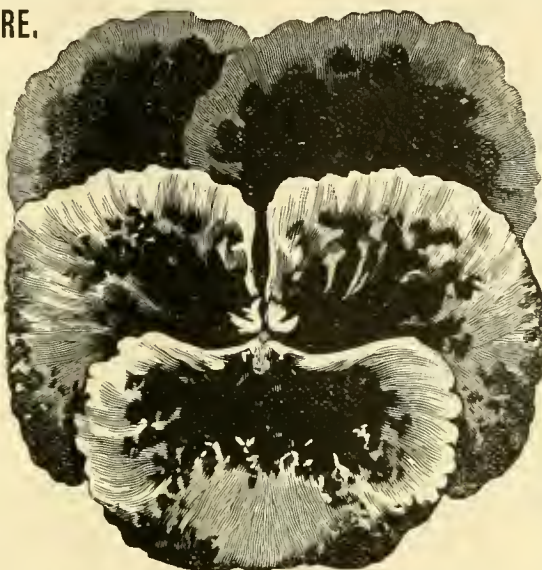
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For those who desire the largest flowers only, and are willing to accept a somewhat less variety in the way of coloring, our GIANT MIXTURE has been especially prepared. It contains only the largest flowers and during the last two years we have greatly increased the number of sorts. See list below. Price for Giant Pansy Mixture, trade pkt. 50c; 1/2 oz. \$1.50; 1 oz. \$5.00.

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THE JENNINGS STRAIN OF LARGE FLOWERING AND FANCY PANSY SEED.

New crop now ready. The finest American strain is what every florist wants.

Very finest mixed, all colors, per ounce \$6.00; pkt. 2500 seeds, \$1.00.

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| The Jennings X X strain, \$8 per ounce; | pkt. \$1.00 |
| Victoria, bright red..... | pkt. 1.00 |
| Pure white..... | pkt. 1.00 |
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| Dr. Faust, black..... | pkt. 1.00 |
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The above all my own growth of 1895 from extra selected stock. 1/2 pkts. of any the above, 50 cts.

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Lock Box 254. **SOUTHPORT, CONN.**

Pansies Worth Raising.

NEW CROP SEED, JUNE, 1895.
1/2 ounce, about 2500 seeds, \$1.00.
August and September, 1894, as good as the above for this year's sowing, 1/2 ounce, \$2.50, or 1 ounce \$4.00.

PLANTS LATER.
CASH WITH ORDER.

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The finest strain of Pansies in the World.
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EXTRA PANSY SEED.
MAMMOTH SUNBEAM STRAIN.
A grand collection of giant flowering varieties, very large, of perfect form and choice colors; carefully selected seed-plants; exceedingly fine this year. My customers write me that this is the finest strain of pansies they can get; requires no better evidence of superiority; every florist should sow it. Trade pkt., 500 seeds, 25 cts.; 3 pkts. 60 cts.; 6 pkts. \$1.00.
A pkt. of 500 seeds of the new, peculiar and amusing Monkey Face Pansy added to every \$1.00 order.
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PANSY SEEDS.
124 First Prizes, the highest award.
4 Medals, World's Fair.
1000 Seeds, finest mixed, 25c.
Price List on application. Cash with order.

San Francisco.

The market at present is very dull. Everybody is out of town at the summer resorts, so that a great number of the florists are having an outing. Album and rubrum lilies are making their appearance and there is quite a demand for them. Very few roses are coming in, and those that are in are very poor. Carnations are very good and range from 75 cents to \$1 per 100 in price. Sweet peas are nearly done and everybody is glad. All the growers are busy replanting their houses for winter. The weather has been very cool and fine for growing, so the violets and chrysanthemums have all made a good growth and are looking well.

Podesta & Co. have removed from their old store to a more commodious place a few doors down. They have long needed the change, as they were cramped in their old quarters.

Down at Sherwood Hall all the replanting is done now. Several of the houses have been reglazed and the benches raised. Nearly all the roses are to be grown in raised benches here next season. The carnations are looking well. They have just replanted one house of Day-break. Their big stock of palms, ferns, etc. look well, also all the shrubbery, plants, etc. in the nursery have made a good growth, so that things look prosperous under the watchful eye of genial Sidney Clack.

M. Lynch and party have returned from their camping trip.

James Sproule has returned from a few weeks' trip to Southern California.

J. Sievers' erect flowering tuberous begonias are now looking fine. They have made great improvements in this popular plant, which they have been working on for several years. Carroll Kruger, who is in charge here, has a batch of 1,500 seedling carnations, all crosses of Portia and Germania, and of which he expects some fine results. In carnations, Portia and Edna Craig are favorites here. They are planting quite a number of Belle Siebrecht rose also, as Mr. Kruger thinks it is just what they need. METEOR.

Orange, N. J.

Around here violets look well and so far are free from disease. Carnations are only middling; they are affected with stem rot, a new disease, around here at least. This is our own experience also. Some of our carnations rotted away at the base in an unaccountable manner. They were chiefly the newer varieties like Uncle John, The Stuart and Alaska; none of our old varieties have been affected so far. The roses most generally grown around here this year are Bridesmaid and Bride, the former having driven out Catherine Mermet. The florists here have got discouraged growing American Beauty, and some have abandoned it altogether. Growers who will have good Beauties this coming season will probably get pretty good prices for them.

W. F.

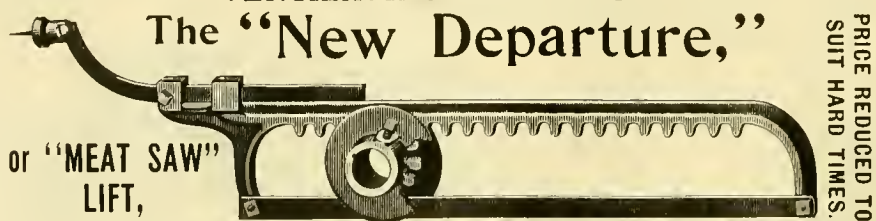
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from 2 1/4-inch pots, 10 to 12 inches high, ready to pot into 4s, \$3.50 per 100; \$30.00 per 1000.

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PRICE REDUCED TO SUIT HARD TIMES.

If you grow

Carnations, Chrysanthemums, Palms, Roses, Violets, or anything else worth growing, and are not feeding them with

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you are missing a mighty good thing.

It can be used in solution, as a top-dressing, or mixed with the soil. Put up in 10, 25, 50 and 100 pound packages for florists' use, and in 1, 2 1/2, and 5 pound tins for retail purposes. Write for trade prices and pamphlet

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OREODOXA REGIA.	\$.60	\$4.00
PHOENIX CANARIENSIS50	3.00
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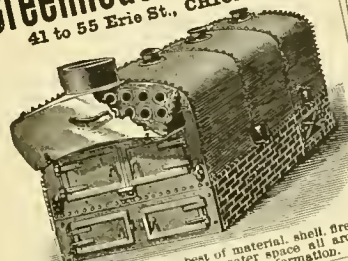
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Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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PIPE, FITTINGS AND BRASS GOODS

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Try an advance August 19th
Don't let "Jac Frog" catch you without a first class
GREENHOUSE BOILER

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MESSRS. KROESCHELL BROS. CO.,
Chicago, Ill.

GENTS:—Those two boilers you made for me are the best I ever used. I have used more than twenty different kinds of boilers and never saved so much fuel as I did this winter with your boiler.

Truly yours,
F. STELOW, Florist,
Niles Centre, Cook Co., Ill.

RAVENSWOOD, ILL., March 24, 1894.
KROESCHELL BROS. CO.

DEAR SIR:—In reply to inquiries regarding your Improved Green House Boilers have the following to say:

Your boiler, I must say, is the best Green House Boiler in Chicago, or anywhere else. I have been using the largest size Kroeschell Green House Boiler ever since I am in the business. I have 14,000 feet of pipe attached to it. I had no trouble whatever in keeping the temperature of my houses at 60 degrees at 15 degrees below zero. I have used less coal than my neighbor, who has less glass; he uses the Devine Boiler.

I cannot say too much praise of your boiler.
Yours respectfully,
CHARLES E. NUSLAND,
Ravenswood, Ill.

CHICAGO, ILL., March 10, 1894.
MESSRS. KROESCHELL BROS. CO.,
No. 41 to 59 Erie Street, Chicago.

GENTLEMEN:—Last season we purchased three of your Improved Green House Boilers. They have done heroic service the past winter, eclipsing every claim you made. Since Feb. 23th one large boiler has been doing the work of two, heating six houses, 185 feet by 24 feet, with nine pipes (4 inches) each, or about 26,000 square feet of glass, the hot water being forced through nearly two miles of 4-inch pipes. While the weather has been mild we doubt if this showing can be excelled.

Needless to add your boilers please. Yours very truly,
Forest Flier, P. O. Box 58. BRANT & NOE.

AURORA, ILL., March 12, 1894.
KROESCHELL BROS. CO.,
No. 55 E. Erie Street, Chicago, Ill.

GENTS:—Permit me to say that your boiler is the most convenient I ever used, and I have tried a good many boilers. I am sure it will heat fully the amount of pipe you said it would.

Truly yours,
J. A. FREEMAN,
Aurora, Ill.
396 North Lake Street.

EVANSTON, ILLS., March 20, 1894.
MESSRS. KROESCHELL BROS. CO.,
Chicago, Ill.

GENTLEMEN:—Replying to your favor would state that I have in use three of your Improved Green House Boilers, which I had for five years. Before purchasing yours I had been using the Devine Boiler. I like your boiler better because it has water front and water back, which allows no heat to escape. The saving of your boiler in coal as compared with other boilers is about one-fourth. Your boiler is easier to run than other boilers.

Yours truly,
M. WEILAND,
Evanston, Ills.

CHICAGO, ILL., March 15, 1894
MESSRS. KROESCHELL BROS. CO.,
City.

GENTLEMEN:—We wish to state that of the many boilers we have had in use in our green houses we find your boilers give us the best satisfaction in heating. We have used less coal with better satisfaction than any other boiler; others who have put in your boiler through our recommendation have the same to say for it.

Yours respectfully,
51 Wabash Avenue. REINBERG BROS.

BLUE ISLAND, ILL., March 11, 1894.
KROESCHELL BROS. CO.,
Chicago, Ills.

GENTLEMEN:—Your favor of the 8th inst. asking me for an expression of my views as regards your heaters as compared to others we have tried is at hand.

Will say, in the fourteen years since we began, we have made three changes. We have about 29,000 feet of glass and heat it easily with the two heaters of your make.

After three years' use of one, and one year of the other one, I am free to say, I prefer it, all things considered, to any heater I know anything about.

With the hope that you may meet with the success you deserve, I am,
Yours truly,
CHAS. BREFOGLE,
Blue Island, Ill.

CHICAGO, ILL., March 16, 1894.
MESSRS. KROESCHELL BROS. CO.,
City.

GENTLEMEN:—In answer to your inquiries would state that I have two of your Improved Green House Boilers; one I have had in use two years and one four years.

I am well satisfied with both of your boilers, and have always recommended them. Very truly yours,
HENRY HILMERS,
Chicago, Ill.
No. 280 40th St.

Grand Rapids, Mich.

Trade is very light, nothing doing except funeral work, and that in very limited quantity. Locally grown roses are very good in quality for the season, and although very few are cutting any quantity still all have plenty to supply orders. Carnations are exceptionally good for this time of year and sell readily. Sweet peas are a drug, and can only be disposed of in work.

Crabb & Hunter are setting posts for one house 150x20 for roses and carnations.

The Grand Rapids Floral Co. are planting their new house 173x20 entirely to roses.

Henry Smith is rebuilding three houses and adding all the modern improvements. His is a most interesting place to visit just now; everything inside is looking fine and his outside stuff does not show signs of the drouth. Here can be seen the effects of thorough and constant cultivation during dry weather.

Schmidt Bros. are building two houses 100x20, one for roses and the other carnations.

The Central Floral Co. will build a house 75x20 and greatly enlarge their boiler room, making it possible to store a car load of coal at a time.

Miss Mamie Hartnett and Miss Anna O'Neill returned the first of the week and report fishing good around Niagara and Buffalo.

John Ring is again with us and intends remaining this time. He will look after Henry Smith's rose houses this winter.

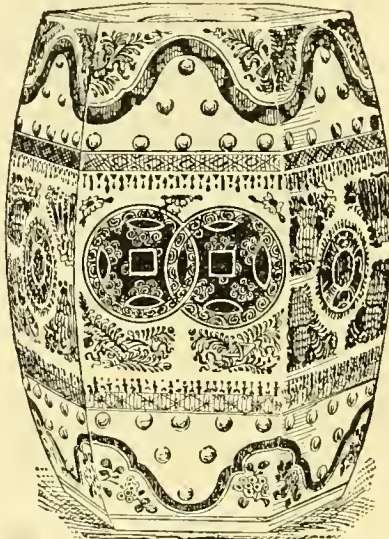
Paul Goebel's new house and office add to the appearance of his place. He has added a telephone also.

Little was done at the last meeting of the Florists' Club other than to discuss the chrysanthemum show and the approaching picnic to be held at Reed's Lake August 6.

Mrs. Arnold has a new way of growing sweet peas, which is to plant the seed late, about May 15, not more than two inches deep, staking as soon as up and taking care of the first tendrils, watering freely. Her peas thus treated are the finest she has ever had, and far surpass those planted earlier and much deeper.



CANTON CHINA PLANT-POT.



CANTON CHINA HALL-SEAT OR PLANT-POT STAND

Plant Pots AND Pedestals.

We invite the attention of intending buyers or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese plant pots or jardinières, selected by our buyers at the places of production the present season.

They include all sizes and shapes up to the large and very large; from the lowest price up to \$150 each.

Some very costly old blue Canton China.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

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Rust, etc.; added to manure improves and cleanses it. 10 lbs. for 75c. 25 lbs. for \$1.50. bags of about 110 lbs. \$5.00—Net Cash.

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2½-in. pots, strong thrifty plants, \$2.50 per hundred; \$20.00 per thousand.

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2 AND 4 DOMINICK STREET,
New York.

Send advs. now

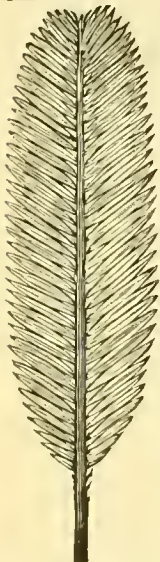
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OUR NATURAL

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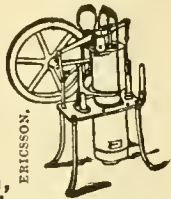
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Florists' Seeds, Bulbs & Supplies
136 & 138 W. 24th St.,

P. O. Station E. New York.

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Their operation is so simple and safe that a child can run them. They will pump water from shallow streams or any kind of well. They can be arranged for any kind of fuel. Capacity 1,500 to 30,000 gallons of water a day, according to size.

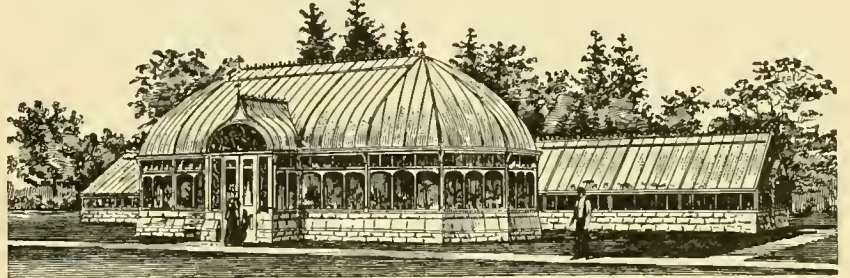


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THE KINNEY PUMP.

Every florist, market gardener, owner of lawn, grass plot or flower-bed, in fact everyone who has a faucet and hose should have the Kinney Pump (patent applied for) for applying liquid manure, fungicides and insecticides to plants. Feed your plants, fertilize your lawns by using liquid manure. The cheapest, simplest and most scientific spraying pump in use. Sent prepaid for \$2.50—spraying valve attachment 50c. Pump complete \$3.00. Send for circular. Address

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GEO. H. CHANDLEE. H. C. CHANDLEE.

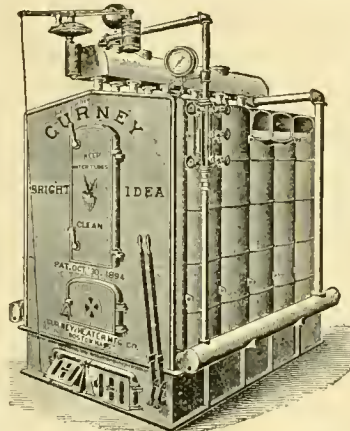
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TOBACCO DUST.

Per 10 lbs 50c; 25 lbs \$1.00; 50 lbs \$1.50; 100 lbs \$2.50. Extra fine, per 100 lbs. \$5. Sample FREE.

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Gurney "Bright Idea" Water Tube Boiler. (For Steam.)

Gurney Hot Water Heaters AND Steam Boilers.

UNEXCELLED FOR GREENHOUSE REQUIREMENTS.

ALWAYS EQUAL TO THE OCCASION.

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NEW IMPROVED

ORCHID CRIBS.

A full line of

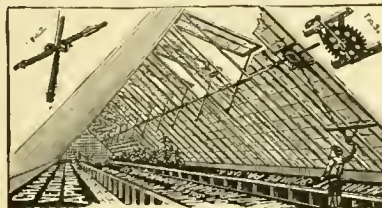
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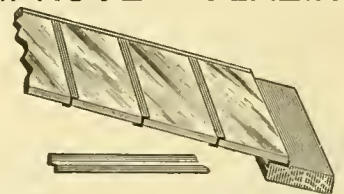


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GASSER'S PATENT ZINC JOINTS for butting glass makes greenhouses air and water tight; also prevents sliding and breakage from frost. Does not cost as much to heat a house glazed with the joints, thereby saving enough in fuel to more than pay the additional cost of glazing. The leading florists of the country are using them. Write for circulars with full particulars and price list.

J. M. GASSER, FLORIST, Euclid Avenue, CLEVELAND, O.

SEND ADVS. NOW FOR THE CONVENTION NUMBER.

News Notes.

MONTROSE, COLO.—M. M. Mather is adding one new house 18x100 for roses and carnations.

FALL RIVER, MASS.—Woodcock & Lannigan, 58 New Boston Road, intend to build a large new greenhouse next year.

PATERSON, N. J.—Mr. Joseph Towell and daughter have sailed for England, where they will remain until September.

INDIANAPOLIS, IND.—Bids are asked by Architect L. H. Gibson up to August 6 on a greenhouse to be erected at the Institute of the Blind.

CLEVELAND, O.—Mr. and Mrs. J. M. Gasser, with their daughter and her husband, Mr. D. R. Knisely, sailed for Europe on the City of Paris July 31.

PEORIA, ILL.—At the last meeting of the Park Board an ordinance providing for the issue of \$200,000 of bonds was adopted. They are to run five, ten, fifteen and twenty years in sections of \$50,000 each, bearing 4 per cent interest, payable semi-annually. Plans for a conservatory at Glen Oak Park were approved.

NEGAUNEE, MICH.—The greenhouses of the Iron Cliff Co. are being erected here and not at Marquette as previously announced. These houses are being erected in connection with the land department of the company, who are extensive iron miners and furnace men, who have acquired about 100,000 acres in connection with their business. This has been cleared of timber for the production of charcoal, and they are now endeavoring to make the land valuable for horticultural purposes.

MINNEAPOLIS, MINN.—Jacob Hartman has petitioned the district court for a receiver for the florist firm of Hartman & Wessling and a dissolution of the partnership. He claims that he and Hattie C. Wessling contracted a partnership, in which he was to manage the business and she was to furnish a capable and competent florist to take care of the greenhouses. She employed her husband, and Hartman claims that the couple has threatened to ruin him and drive him out of the concern. He states that the firm's assets are worth \$8 000, and he wants the court to take charge of them until matters are adjusted.



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IMPROVED
PURTY BULB,
For Glazing Sash, Etc.
— ALSO THE —
Patent Plant Sprinkler
For sale by your Seedsman,
or sent, postpaid, for \$1.00.
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BROOKLYN, N. Y.
Send Stamp for Catalogue.
Mention American Florist.

CATALOGUE PRINTING.
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Done with expert ability for Florists,
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Clear Cypress Greenhouse Material

We have had many years' experience in this line. We introduced Cypress for greenhouse construction. We have made many improvements in the construction of greenhouses. We carry in stock many different designs of Rafters, Sash Bars and everything else from the bottom of gutters up. Our facilities are large, and we are prepared to furnish on short notice material of our own designs or any special designs, and all of open-air-dried clear Cypress Lumber which we have bought for many years of one party because this particular growth of Cypress is as soft as White Pine, and has none of the knots, sap and other defects so common to White Pine. Every foot of our stock is guaranteed Spot Clear. Write for circulars and estimates. No trouble to furnish plans when necessary.

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THE ORIGINATORS OF THE STANDARD FLOWER POTS.
Our capacity now is **12,000,000**
STANDARD FLOWER POTS PER YEAR.
A Full line of Bulb Pans.
Send for Price List. **The Whildin Pottery Company,**
BRANCH WAREHOUSES: **713 to 719 Wharton Street, PHILADELPHIA, PA.**
Randolph Ave. and Union St., Jersey City, N. J.
Jackson Ave. and Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS
Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequaled.
A. H. HEWS & CO., N. Cambridge, Mass.

Announcement to Florists.
We desire to announce the dissolution of the firm of Sipfle Doppfel & Co., and to introduce to the trade its successor, The Syracuse Pottery Co., which will be under the management of William Doppfel and Conrad Breitschwerth. The business will be conducted as heretofore, except on a larger scale to meet the growing demand for our goods. We have accordingly enlarged our plant and capacity, and with unsurpassed facilities are now prepared to fill the largest order on short notice. Our latest improved machines are turning out the best and most serviceable flower pots in the market, and assuring you of our intention to lead in further improvements we solicit a continuance of your patronage in the belief that we can supply just what is needed at a price and in a manner satisfactory to all.
Send for price list and samples and we know you will give us an order.
SYRACUSE POTTERY CO., OFFICE:
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STANDARD FLOWER POTS.
FERN PANS AND PALM POTS.
Old Reliable make of **ELVERSON, SHERWOOD & BARKER.**
Write for Price List. Address
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Standard Flower Pots.
OUR POTS ARE OF THE BEST QUALITY.
We ship all goods from Cincinnati, guaranteeing lowest freight rates and prompt delivery.
Write us before placing your orders elsewhere.
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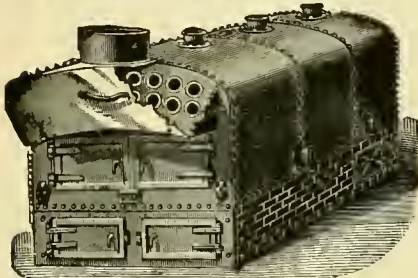
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Send for price list and samples (which will be sent free), and we know you will give us your order.
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GREENHOUSE MATERIAL OF
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JOHN C. MONINGER Co.
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BEST IN USE
FOR GREENHOUSES, LARGE and SMALL.
All Steel. No Coils or Cast Iron Sections.
SEND FOR CATALOGUES.
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Every subscriber should have one.

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Pipe can be easily put together by any one, very little instruction being needed.

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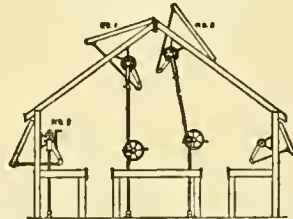
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The florist's friend in working and prices.



No repairs for 5 years. no chains to break as is the result with others.

Opens Sash uniformly 100 foot houses A new device.

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Horticultural Architects and Hot Water Engineers
Send for Catalogue, enclosing 4 cents in stamps.
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A. DIETSCH & CO., 619 Sheffield Avenue,
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MAIL LOCK THE DOOR BEFORE THE HORSE IS STOLEN DO IT NOW.
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Write for Illustrated Catalogue.
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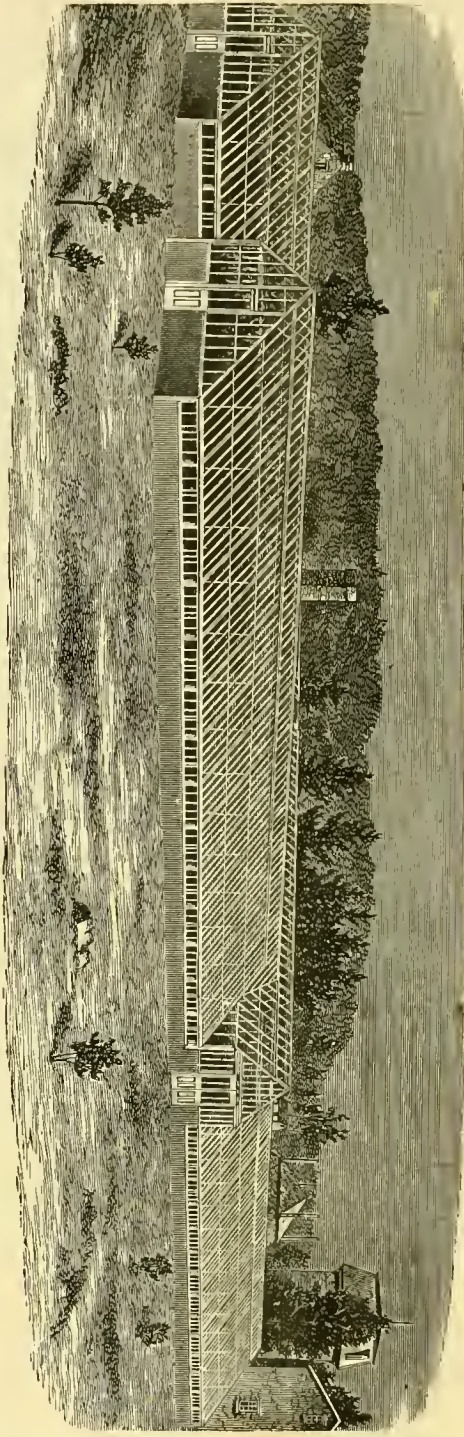
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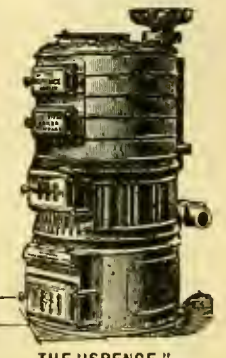


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